

OMRON

Fiyat Listesi 2020



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Yenilikleri gerçekleştirmek

Daha iyi makineler, yeni pazarlar, yalın üretim ve gelişmiş servis desteği: Omron Endüstriyel Otomasyon, yillardır yenilikleri gerçekleştiriyor.

Bunu sizinle beraber daha yakın çalışarak yapıyoruz, makine ve fabrika otomasyonundaki en son bilgileri sunarak, fikirlerinizin hayatı geçmesine destek oluyoruz.

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Fiyatlarımız EUR olarak belirtilmiştir, KDV dahil değildir.

Industrial PC



Compact design that offers flexibility, expandability and easy maintenance for applications in factory automation environments.

- Based on Intel® Atom® to Intel® Xeon® processors
- Windows 10 IoT Enterprise, Windows Embedded Standard 7 or without operating system
- Open operating system allows running customised software and hardware
- Ethernet port for access to your IT systems
- 15.4 and 12.1 inches Industrial monitor
- Industrial Box PC and Industrial Panel PC (Industrial Box PC + Monitor integrated) types
- Models available with NY Monitor Link interface for connectivity up to 100 m between IPC and Monitor

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 683311 | NYP2C-213K1-12WC1000 | Industrial Panel PC with Intel® Celeron® 3965U, 4 GB DDR4 RAM (non-ECC), 128 GB SSD-iMLC, WIN 10 IoT Ent. (64-bit), PCIe slot, RS-232, 12.1" display with capacitive touchscreen | 4,756.00 | 4549734207386 |

NX7

Machine controller

Sysmac controller – NX7 Series



The NX7 series is a high performance CPU that includes two synchronized motion cores controlling up to 256 axes.

- Fastest cycle time: 125 µs
- Number of axes: 256, 128
- Two synchronized motion cores
- Functions: Logic sequence, Database connection, AI and Motion
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- AI Functionality: AI engine included in the controller enables real time utilisation of machine learning model
- AI Predictive Maintenance Library enables non-stop equipment
- Multi-tasking
- Built-in EtherCAT and two EtherNet/IP (1 Gbps) ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 418668 | NX701-1600 | Sysmac NX7 CPU, 80MB memory, built-in EtherCAT (128 servo axes, in total 512 EtherCAT nodes) and 2 EtherNet/IP ports | 5,140.00 | 4548583593695 |
| 680732 | NX701-1620 | Sysmac NX7 CPU with Database Connectivity, 80MB memory, built-in EtherCAT (128 servo axes, in total 512 EtherCAT nodes) and 2 EtherNet/IP port | 7,745.00 | 4549734193863 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 418671 | NX-PA9001 | Sysmac NX power supply unit, 100 to 240 VAC, 90 W, "RUN" output relay | 595.00 | 4548583593725 |
| 418672 | NX-PD7001 | Sysmac NX power supply unit, 24 VDC, 70 W, "RUN" output relay | 486.50 | 4548583593732 |



Information & Productivity in a miniaturized size controller

The NX1 series modular machine controller provides logic sequence, motion and information functionality. NX1 is joining production and IT worlds, minimizing engineering and maintenance while suppressing middleware.

- IoT Ready: OPC UA server built-in as standard feature, variable structures are supported
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Large memory for data handling. 33.5 MB for variables
- Battery-less controller
- Cycle time: from 1 ms
- Up to 12 axes (8 synchronized motion axes & 4 PTP)
- One unique and synchronized cycle for local & remote I/O, EtherCAT devices and motion control
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Multi-tasking controller
- Expanded network connectivity, 2x Ethernet ports + 1 EtherCAT
- Up to 32 local NX units, including Safety and IO-Link master
- Support up to 64 EtherCAT nodes (400xNX units)
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 682580 | NX102-1000 | Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (2 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 2,035.00 | 4549734205313 |
| 683383 | NX102-1020 | Sysmac NX1 Modular CPU with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (2 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 2,399.00 | 4549734205351 |
| 682581 | NX102-1100 | Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (4 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 2,543.00 | 4549734205320 |
| 683381 | NX102-1120 | Sysmac NX1 Modular CPU with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (4 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 2,860.00 | 4549734205368 |
| 682578 | NX102-1200 | Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (8 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 3,456.00 | 4549734205337 |
| 683384 | NX102-1220 | Sysmac NX1 Modular CPU with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (8 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 3,689.00 | 4549734205375 |
| 682579 | NX102-9000 | Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory, built-in EtherCAT (0 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 1,527.00 | 4549734205306 |
| 683382 | NX102-9020 | Sysmac NX1 Modular CPU with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (0 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP) | 1,939.00 | 4549734205344 |

Compact in size, powerful in functionality

The NX1P completes the NX/NJ machine controllers family offering same functionality in a compact design. The NX1P provides synchronized control of all machine devices such as motion, I/O, safety and vision under one Integrated Development Environment.

- Fastest cycle time: 2 ms
- Functions: Logic sequence and Motion control
- Up to 8 axes (4 synchronized axes)
- Built-in I/O: 40 or 24 I/O points
- Up to 8 local NX I/O units
- Built-in EtherCAT and EtherNet/IP ports
- Up to 16 EtherCAT slaves
- Up to 2 option boards can be connected to add serial communications or analog I/O functionality
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 672500 | NX1P2-1040DT | Sysmac NX1P CPU with 40 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (2 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports | 1,084.00 | 4548583866454 |
| 672504 | NX1P2-1040DT1 | Sysmac NX1P CPU with 40 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (2 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports | 1,084.00 | 4548583866461 |
| 672510 | NX1P2-1140DT | Sysmac NX1P CPU with 40 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (4 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports | 1,578.00 | 4548583866478 |
| 672501 | NX1P2-1140DT1 | Sysmac NX1P CPU with 40 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (4 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports | 1,578.00 | 4548583866485 |
| 672509 | NX1P2-9024DT | Sysmac NX1P CPU with 24 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (0 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 1 serial option port | 804.50 | 4548583866430 |
| 672498 | NX1P2-9024DT1 | Sysmac NX1P CPU with 24 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (0 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 1 serial option port | 812.00 | 4548583866447 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 672499 | NX1W-ADB21 | Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000 | 99.20 | 4548583866522 |
| 672505 | NX1W-CIF01 | Sysmac NX1P RS-232C screwless (15 m max.) serial communication option board | 49.15 | 4548583866492 |
| 672502 | NX1W-CIF11 | Sysmac NX1P RS422/485 screwless (50 m max.) serial communication option board | 49.15 | 4548583866508 |
| 672503 | NX1W-CIF12 | Sysmac NX1P RS422/485 screwless (isolated 500 m max.) serial communication option board | 98.35 | 4548583866515 |
| 672506 | NX1W-DAB21V | Sysmac NX1P Analog I/O screwless option board, 2 x analog outputs 0 to 10 V, resolution 1:4000 | 108.70 | 4548583866539 |
| 672507 | NX1W-MAB221 | Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000 | 207.00 | 4548583866546 |
| 680107 | NX-END02 | Spare part - End plate for NX1P controller | 15.71 | 4548583866553 |

Sysmac controller – NJ5 Series



The NJ5 series is a machine controller for logic sequence and motion that includes CPU options for advanced functions such as robotics and database connection.

- Fastest cycle time: 500 µs
- Number of axes: 64, 32, 16
- Synchronized motion core
- Functions: Logic sequence, Motion, CNC, Robotics, Database connection, SECS/GEM and OPC-UA
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Delta, SCARA and Cartesian robots control
- DB connection: SQL client for Microsoft SQL server, Oracle, IBM DB2, MySQL, Firebird
- CNC functionality: Ideal for XY cutting, milling, lathe and any other path-following application such as dispensing, bending, grinding and forming machines
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 355309 | NJ501-1300 | Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 3,340.00 | 4548583020450 |
| 375708 | NJ501-1320 | Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 3,994.00 | 4548583418028 |
| 355310 | NJ501-1400 | Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (32 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 3,630.00 | 4548583020467 |
| 375709 | NJ501-1420 | Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (32 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 4,358.00 | 4548583418035 |
| 355311 | NJ501-1500 | Sysmac NJ5 CPU, 20 mB memory, built-in EtherCAT (64 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 4,358.00 | 4548583020474 |
| 375710 | NJ501-1520 | Sysmac NJ5 CPU with Database Connectivity, 20MB memory, built-in EtherCAT (64 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 4,915.00 | 4548583418042 |
| 368567 | NJ501-4300 | Sysmac NJ5 CPU with Robot kinematics (max 4 robots), 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 4,358.00 | 4548583137745 |
| 374968 | NJ501-4310 | Sysmac NJ5 CPU with Robot kinematics (max 1 robot), 20 MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 3,831.00 | 4548583351356 |
| 679768 | NJ501-5300 | Sysmac NJ5 CNC CPU, 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 6,235.00 | 4549734145435 |



Sysmac controller – NJ3 Series

The NJ3 series expands the Sysmac controller solution to 4 and 8 axis.

- Fastest cycle time: 500 µs
- Number of axes: 8, 4
- Synchronized motion core
- Functions: Logic sequence and Motion
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 363842 | NJ301-1100 | Sysmac NJ3 CPU, 5 mB memory, built-in EtherCAT (4 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 2,328.00 | 4548583113121 |
| 363924 | NJ301-1200 | Sysmac NJ3 CPU, 5MB memory, built-in EtherCAT (8 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP | 2,798.00 | 4548583113138 |



Sysmac controller – NJ1 Series

The NJ1 series is a new Sysmac controller for logic sequence and motion control aimed for compact machines.

- Fastest cycle time: 1 ms
- Number of axes: 2
- Synchronized motion core
- Functions: Logic sequence, Motion and Database connection
- Database direct connection in V2.0 is expanded with stored procedure calls and secure communications functionality
- Database direct connection: SQL client for server Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- Multi-tasking
- Built-in EtherCAT and EtherNet/IP ports
- DB connection: SQL client for Microsoft SQL server, Oracle, IBM DB2, MySQL, Firebird
- EtherCAT Ring topology is supported to maintain communications and control in case of a broken cable or device failure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 413717 | NJ101-1000 | Sysmac NJ1 CPU, 3MB memory, built-in EtherCAT (2 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP | 1,964.00 | 4548583593749 |
| 668370 | NJ101-1020 | Sysmac NJ1 CPU with Database Connectivity, 3MB memory, built-in EtherCAT (2 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP | 2,461.00 | 4548583758803 |
| 413718 | NJ101-9000 | Sysmac NJ1 CPU, 3MB memory, built-in EtherCAT (0 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP | 1,722.00 | 4548583593756 |
| 668371 | NJ101-9020 | Sysmac NJ1 CPU with Database Connectivity, 3MB memory, built-in EtherCAT (0 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP | 2,154.00 | 4548583758810 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 355818 | HMC-SD291 | 2 GB SD memory card | 121.70 | 4548583020689 |
| 400806 | HMC-SD491 | 4 GB SD memory card | 262.40 | 4548583438101 |
| 355312 | NJ-PA3001 | Sysmac NJ power supply unit, 100-240 VAC, 30 W, "RUN" output relay | 249.40 | 4548583020665 |
| 355313 | NJ-PD3001 | Sysmac NJ power supply unit, 24 VDC, 30 W, "RUN" output relay | 255.50 | 4548583020672 |

CJ2M for basic machine automation



The CJ2M Series is ideal for packaging and general machine automation needs. Connectivity is assured thanks to the built-in USB port and the choice of Ethernet and RS-232C/422/485 interfaces on the CPU.

- Always accessible through standard USB port
- Standard Ethernet port with EtherNet/IP Data Link function
- Wide range of program capacities from 5K steps to 60K steps
- Serial option board
- Dedicated function block memory ensures efficient execution of function block software modules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 268696 | CJ2H-CPU64 | CPU, 50K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 2,393.00 | 4547648638630 |
| 249799 | CJ2H-CPU64-EIP | CPU with built-in EtherNet/IP port, 50K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 3,198.00 | 4547648519113 |
| 268697 | CJ2H-CPU65 | CPU, 100K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 2,900.00 | 4547648638647 |
| 249800 | CJ2H-CPU65-EIP | CPU with built-in EtherNet/IP port, 100K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 3,448.00 | 4547648519120 |
| 249801 | CJ2H-CPU66-EIP | CPU with built-in EtherNet/IP port, 150K steps program, 32K words data memory, 32K words x 10 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 4,640.00 | 4547648519144 |
| 249802 | CJ2H-CPU67-EIP | CPU with built-in EtherNet/IP port, 250K steps program, 32K words data memory, 32K words x 15 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 5,970.00 | 4547648519151 |
| 249803 | CJ2H-CPU68-EIP | CPU with built-in EtherNet/IP port, 400K steps program, 32K words data memory, 32K words x 25 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 7,595.00 | 4547648519168 |
| 392391 | CJ2M-CPU11 | CPU, 5K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 414.90 | 4548583498389 |
| 392392 | CJ2M-CPU12 | CPU, 10K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 597.00 | 4548583498396 |
| 392393 | CJ2M-CPU13 | CPU, 20K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 836.00 | 4548583498402 |
| 392394 | CJ2M-CPU14 | CPU, 30K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 1,042.00 | 4548583498419 |
| 392395 | CJ2M-CPU15 | CPU, 60K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max. | 1,274.00 | 4548583498426 |
| 392396 | CJ2M-CPU31 | CPU with built-in EtherNet/IP port, 5K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max. | 1,048.00 | 4548583498433 |
| 392397 | CJ2M-CPU32 | CPU with built-in EtherNet/IP port, 10K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max. | 1,128.00 | 4548583498440 |
| 392398 | CJ2M-CPU33 | CPU with built-in EtherNet/IP port, 20K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max. | 1,387.00 | 4548583498457 |
| 392399 | CJ2M-CPU34 | CPU with built-in EtherNet/IP port, 30K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max. | 1,635.00 | 4548583498464 |
| 392400 | CJ2M-CPU35 | CPU with built-in EtherNet/IP port, 60K steps program, 32K words data memory, 32K words x 4 banks EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max. | 1,859.00 | 4548583498471 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 659004 | CJ1W-BAT01 | Battery for CJ1M PLCs | 50.10 | 4548583950603 |
| 147038 | CJ1W-CIF11 | RS-485 adaptor, 2 or 4 wire, connects directly to RS-232C 9-pin port for serial PLC link, screw terminals on RS-485 side | 159.40 | 4536854855863 |
| 136072 | CJ1W-TER01 | End plate for CJ1 CPU rack or expansion rack. Only required as spare part. | 99.85 | 4536854716195 |
| 103601 | CS1W-CIF31 | Cable, PC USB to RS-232C converter cable, for Windows 98/ME/2000/XP, drivers included on CD-ROM, an Omron programming cable is also required | 231.20 | 4536854935596 |
| 103192 | HMC-AP001 | Memory card adaptor (for memory card to PC PCMCIA port) | 96.65 | 4536854446030 |
| 235581 | HMC-EF183 | Flash memory card, 128MB | 161.40 | 4547648304511 |
| 239896 | HMC-EF283 | Flash memory card, 256MB | 510.00 | 4547648276382 |
| 239897 | HMC-EF583 | Flash memory card, 512MB | 736.50 | 4547648276399 |

Power and flexibility



CJ1 systems can operate on 24 V DC power supply, or on 100 - 240 V AC mains. For small-scale systems with mainly digital I/O a low-cost small-capacity power supply can be used. For systems with many analog I/Os and control/communication units, it may be necessary to use a larger power supply Unit.

Depending on the CPU type, up to 3 expansions can be connected to the CPU 'rack', giving a total capacity of 40 I/O units. The total length of the expansion cables of one system may be up to 12 m.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 315594 | CJ1W-IC101 | Expansion I/O control unit, connects to right hand side of CPU | 216.00 | 4547648705998 |
| 315595 | CJ1W-II101 | Expansion I/O interface unit, connects to left hand side of expansion I/O rack, up to 3 expansion racks | 250.20 | 4547648706001 |
| 136004 | CJ1W-PA202 | Power supply unit, 100-240 VAC, output capacity: 14 W | 196.40 | 4536854806018 |
| 183314 | CJ1W-PA205C | Power supply unit, 100-240 VAC, output capacity: 25 W, with maintenance forecast monitor | 362.20 | 4547648156936 |
| 386939 | CJ1W-PA205R | Power supply unit, 100-240 VAC, output capacity: 25 W, with RUN output | 278.60 | 4548583452244 |
| 315604 | CJ1W-PD022 | Power supply unit, 24 VDC, output capacity: 19.6 W | 123.80 | 4547648706117 |
| 136016 | CJ1W-PD025 | Power supply unit, 24 VDC, output capacity: 25 W | 274.90 | 4536854827761 |

8 to 64 points per unit - input, output or mixed

Digital I/O units serve as the PLC's interface to achieve fast, reliable sequence control. A full range of units, from high-speed DC inputs to relay outputs, let you adapt CJ1 to your needs.

CJ1 units are available with various I/O densities and connection technologies. Up to 16 I/O points can be wired to units with detachable M3 screw terminals or screwless clamp terminals. High-density 32- and 64-point I/O units are equipped with standard 40-pin 'flatcable'-connectors. Prefabricated cables and wiring terminals are available for easy interfacing to high-density I/O units.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 315597 | CJ1W-IA111 | Digital input unit, 16 x 100-120 VAC inputs, screw terminal | 300.50 | 4547648706025 |
| 315598 | CJ1W-IA201 | Digital input unit, 8 x 200-240 VAC inputs, screw terminal | 232.80 | 4547648706049 |
| 382928 | CJ1W-ID201 | Digital input unit, 8 x 24 VDC, independent inputs, screw terminal | 153.50 | 4548583424968 |
| 382929 | CJ1W-ID211 | Digital input unit, 16 x 24 VDC inputs, screw terminal | 190.80 | 4548583424975 |
| 171731 | CJ1W-ID211(SL) | Digital input unit, 16 x 24 VDC inputs, screwless clamp terminal | 190.80 | 4547648023092 |
| 382930 | CJ1W-ID212 | Digital high-speed input unit, 16 x 24 VDC inputs, screw terminal | 241.50 | 4548583424982 |
| 177393 | CJ1W-ID231 | Digital input unit, 32 x 24 VDC inputs, FCN40 connector (not included) | 324.80 | 4547648050302 |
| 177394 | CJ1W-ID232 | Digital input unit, 32 x 24 VDC inputs, MIL40 connector (not included) | 316.90 | 4547648050319 |
| 270545 | CJ1W-ID233 | Digital high-speed input unit, 32 x 24 VDC inputs, MIL40 connector (not included) | 411.40 | 4547648610537 |
| 177395 | CJ1W-ID261 | Digital input unit, 64 x 24 VDC inputs, 2 x FCN40 connectors (not included) | 534.00 | 4547648050326 |
| 177396 | CJ1W-ID262 | Digital input unit, 64 x 24 VDC inputs, MIL40 connector (not included) | 554.00 | 4547648050333 |
| 315602 | CJ1W-IDP01 | Digital quick response input unit, 16 x 24 VDC inputs, single shot pulse capture 30 µs minimum, screw terminal | 352.10 | 4547648706094 |
| 315596 | CJ1W-INT01 | Digital interrupt input unit, 16 x 24 VDC inputs, 2 max per CPU, screw terminal | 484.50 | 4547648706018 |
| 104549 | CJ1W-MD231 | Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 A max, 2 x FCN24 connectors (not included) | 335.20 | 4536854880971 |
| 156708 | CJ1W-MD232 | Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, 2 A max, 2 x MIL20 connectors (not included) | 424.20 | 4536854961212 |
| 136023 | CJ1W-MD233 | Digital I/O unit, 16 x 24 VDC inputs, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 A max, 2 x MIL20 connectors (not included) | 338.30 | 4536854880988 |
| 136024 | CJ1W-MD261 | Digital I/O unit, 32 x 24 VDC inputs, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 3.2 A max, 2 x FCN40 connectors (not included) | 617.50 | 4536854880995 |
| 156856 | CJ1W-MD263 | Digital I/O unit, 32 x 24 VDC inputs, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 3.2 A max, 2 x MIL40 connectors (not included) | 527.50 | 4536854881008 |
| 315599 | CJ1W-OA201 | Digital output unit, 8 x triac outputs, 250 VAC, 0.6 A, screw terminal | 251.80 | 4547648706056 |
| 382931 | CJ1W-OC201 | Digital output unit, 8 x relay outputs, 250 VAC/24 VDC, 2 A max, independent commons, screw terminal | 225.40 | 4548583424999 |
| 171732 | CJ1W-OC201(SL) | Digital output unit, 8 x relay outputs, 250 VAC/24 VDC, 2 A max, independent commons, screwless clamp terminal | 225.40 | 4547648023108 |
| 382932 | CJ1W-OC211 | Digital output unit, 16 x relay outputs, 250 VAC/24 VDC, 2 A max, screw terminal | 284.20 | 4548583425002 |
| 171733 | CJ1W-OC211(SL) | Digital output unit, 16 x relay outputs, 250 VAC/24 VDC, 2 A max, screwless clamp terminal | 284.20 | 4547648023122 |
| 315600 | CJ1W-OD201 | Digital output unit, 8 x transistor outputs, NPN, 2.0 A, 12 to 24 VDC, screw terminal | 276.10 | 4547648706070 |
| 315601 | CJ1W-OD202 | Digital output unit, 8 x transistor outputs, PNP, 2.0 A, 24 VDC, screw terminal | 260.60 | 4547648706087 |
| 143440 | CJ1W-OD203 | Digital output unit, 8 x transistor outputs, NPN, 0.5 A, 24 VDC, screw terminal | 193.70 | 4536854961182 |
| 315603 | CJ1W-OD204 | Digital output unit, 8 x transistor outputs, PNP, 0.5 A, 24 VDC, with short-circuit protection and alarm, screw terminal | 207.30 | 4547648706100 |
| 382933 | CJ1W-OD211 | Digital output unit, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, screw terminal | 225.40 | 4548583425019 |
| 171734 | CJ1W-OD211(SL) | Digital output unit, 16 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, screwless clamp terminal | 225.40 | 4547648023139 |
| 382934 | CJ1W-OD212 | Digital output unit, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, screw terminal | 260.10 | 4548583425026 |
| 171735 | CJ1W-OD212(SL) | Digital output unit, 16 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, screwless clamp terminal | 260.10 | 4547648023146 |
| 270548 | CJ1W-OD213 | Digital high-speed output unit, 16 x transistor outputs, NPN, 0.5 A, 24VDC, screw terminal | 295.80 | 4547648610568 |
| 177398 | CJ1W-OD231 | Digital output unit, 32 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, FCN40 connector (not included) | 387.80 | 4547648050357 |
| 177399 | CJ1W-OD232 | Digital output unit, 32 x transistor outputs, PNP, 0.5 A, 24 VDC, load short-circuit protection, MIL40 connector (not included) | 454.50 | 4547648050364 |
| 177400 | CJ1W-OD233 | Digital output unit, 32 x transistor outputs, NPN, 0.5 A, 24 VDC, MIL40 connector (not included) | 391.70 | 4547648050371 |
| 270546 | CJ1W-OD234 | Digital high-speed output unit, 32 x transistor outputs, NPN, 0.5 A, 24VDC, MIL40 connector (not included) | 431.20 | 4547648610544 |
| 177401 | CJ1W-OD261 | Digital output unit, 64 x transistor outputs, NPN, 0.5 A, 12 to 24 VDC, 2 x FCN40 connectors (not included) | 617.50 | 4547648050388 |
| 136029 | CJ1W-OD262 | Digital output unit, 64 x transistor outputs, PNP, 0.3 A, 24 VDC, 2 x MIL40 connectors (not included) | 524.50 | 4536854961205 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 210956 | CJ-OD507-18P-5 | Set of 5 screw terminal blocks (18-points) for CJ1 I/O units | 118.00 | 4547648850391 |
| 172166 | CJ-WM01-18P-5 | Set of 5 screwless clamp terminal blocks (18-points) for CJ1 I/O units | 122.30 | 4536853882853 |

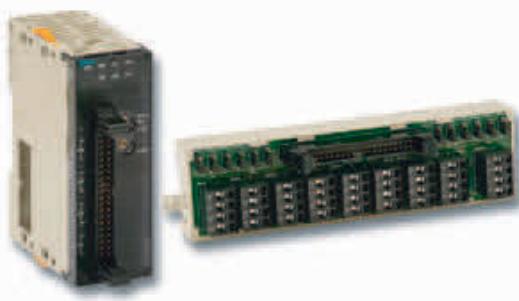
From basic Analogue I/O to advanced temperature control



CJ offers a wide choice of analogue input units, fit for any application, from low-speed, multi-channel temperature measurement to high-speed, high-accuracy data acquisition. Analogue outputs can be used for accurate control or external indication.

Advanced units with built-in scaling, filtering and alarm functions reduce the need for complex PLC programming. High-accuracy process I/O units support an extensive range of sensors, for fast and accurate data acquisition. Temperature Control units relieve the PLC CPU of PID calculations and alarm monitoring. These functions are handled autonomously by the unit, offering control performance and autotuning functions similar to stand-alone temperature controllers.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 136033 | CJ1W-AD041-V1 | Analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screw terminal | 784.00 | 4536854912948 |
| 171999 | CJ1W-AD041-V1(SL) | Analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screwless clamp terminal | 784.00 | 4547648023252 |
| 318067 | CJ1W-AD042 | Analog high-speed input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -5 to 5 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, screw terminal | 1,287.00 | 4547648722797 |
| 235350 | CJ1W-AD04U | Universal analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, L, R, S, B), Pt100, Pt1000, JPt100, screw terminal | 809.00 | 4547648318266 |
| 235351 | CJ1W-AD04U(SL) | Universal analog input unit, 4 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, L, R, S, B), Pt100, Pt1000, JPt100, screwless clamp terminal | 809.00 | 4547648318273 |
| 136032 | CJ1W-AD081-V1 | Analog input unit, 8 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screw terminal | 1,022.00 | 4536854912931 |
| 172000 | CJ1W-AD081-V1(SL) | Analog input unit, 8 x inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, resolution 1:4000 / 8000, screwless clamp terminal | 1,022.00 | 4547648023269 |
| 151233 | CJ1W-DA021 | Analog output unit, 2 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 140mA, screw terminal | 626.50 | 4536854912962 |
| 172001 | CJ1W-DA021(SL) | Analog output unit, 2 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 140mA, screwless clamp terminal | 626.50 | 4547648023276 |
| 104446 | CJ1W-DA041 | Analog output unit, 4 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 200 mA, screw terminal | 696.50 | 4536854912955 |
| 172002 | CJ1W-DA041(SL) | Analog output unit, 4 x outputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA, externally powered 24 VDC 200mA, screwless clamp terminal | 696.50 | 4547648023283 |
| 171897 | CJ1W-DA08C | Analog output unit, 8 x outputs 4 to 20 mA, resolution 12 bit, screw terminal | 961.50 | 4547648023436 |
| 172003 | CJ1W-DA08C(SL) | Analog output unit, 8 x outputs 4 to 20 mA, resolution 12 bit, screwless clamp terminal | 961.50 | 4547648023290 |
| 171896 | CJ1W-DA08V | Analog output unit, 8 x output 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:4000 scalable to ±32000 or 1:8000, screw terminal | 945.00 | 4547648023443 |
| 172004 | CJ1W-DA08V(SL) | Analog output unit, 8 x output 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:4000 scalable to ±32000 or 1:8000, screwless clamp terminal | 945.00 | 4547648023306 |
| 372912 | CJ1W-F130 | Load cell input unit, 1 channel, high-performance, 10 VDC or 2.5 VDC, max. 4 x 350 Ohm load cells, screw terminal | 4,097.00 | 4547648949613 |
| 171895 | CJ1W-MAD42 | Analog I/O unit, 4 x inputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, 2 x outputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, resolution 1:4000 scalable to ±32000 or 1:8000, screw terminal | 663.00 | 4547648023450 |
| 172005 | CJ1W-MAD42(SL) | Analog I/O unit, 4 x inputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, 2 x outputs -10 to 10 V, 0 to 5 V, 0 to 10 V, 1 to 5 V, 4 to 20 mA, resolution 1:4000 scalable to ±32000 or 1:8000, screwless clamp terminal | 663.00 | 4547648023313 |
| 247114 | CJ1W-PH41U | Universal analog input unit, high resolution, 4 x inputs ±100mV up to ±10 V, potentiometer, 0 to 20 mA, 4 to 20 mA, thermocouple (K, J, T, E, L, U, N, R, S, B), Pt100 (3-wire), screw terminal | 1,497.00 | 4547648513999 |
| 168518 | CJ1W-PTS51 | Isolated thermocouple input unit, 4 x inputs type K, J, L, R, S, T, B, resolution 0.1 °C, screw terminal | 709.50 | 4547648023214 |
| 168519 | CJ1W-PTS52 | Isolated RTD input unit, 4 x inputs (Pt100 (JIS, IEC), JPt100), resolution 0.1 °C, screw terminal | 706.50 | 4547648023221 |
| 135989 | CJ1W-TC001 | Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (NPN) output, 4 loops | 846.50 | 4536854740749 |
| 142660 | CJ1W-TC002 | Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (PNP) output, 4 loops | 862.50 | 4536854740534 |
| 155601 | CJ1W-TC004 | Temperature control unit, R/S/K/J/T/L/B thermocouple inputs, transistor (PNP) output, 2 loops, heater burnout detection function | 749.50 | 4536854903519 |
| 143742 | CJ1W-TC102 | Temperature control unit, Pt100 RTD inputs, transistor (PNP) output, 4 loops | 836.00 | 4536854740572 |
| 135992 | CJ1W-TC104 | Temperature control unit, Pt100 RTD inputs, transistor (PNP) output, 2 loops, heater burnout detection function | 749.50 | 4536854740596 |
| 168013 | CJ1W-TS561 | Thermocouple input unit, 6 x inputs type J, K, resolution 0.1 °C, screw terminal | 600.50 | 4547648023467 |
| 180447 | CJ1W-TS561(SL) | Thermocouple input unit, 6 x inputs type J, K, resolution 0.1 °C, screwless clamp terminal | 600.50 | 4547648023320 |
| 168014 | CJ1W-TS562 | RTD input unit, 6 x inputs Pt100, Pt1000, 3-wire, resolution 0.1 °C, screw terminal | 587.50 | 4547648023474 |
| 172733 | CJ1W-TS562(SL) | RTD input unit, 6 x inputs Pt100, Pt1000, 3-wire, resolution 0.1 °C, screwless clamp terminal | 587.50 | 4547648023337 |

Add motion control to any CJ-Series PLC

From simple position measurement to multi-axis synchronised motion control, CJ-Series offers a full range of units:

- Counter Units gather position information from SSI- or incremental encoders. Actual positions are compared with internally stored target values.
- CJ2M CPU Units have dedicated positioning functions that can be used by installing up to 2 Pulse I/O option modules.
- Position- and Motion Control Units equipped with MECHATROLINK-II interface can control multiple drives through a single high-speed link. Message routing through multiple communication layers allows the attached drives to be configured from any point in the control network.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 315605 | CJ1W-CT021 | High-speed counter unit, 2 axes, 500 kHz, RS422 line driver or open collector input | 729.00 | 4547648708890 |
| 180688 | CJ1W-CTL41-E | High-speed counter unit, 4 axes, 24 VDC open collector and line driver encoders supported, 100 kHz input max. For 24 VDC open collector signals, use XW2G-40G7-E terminal block and XW2Z-XXXX cables | 587.50 | 4547648089753 |
| 180381 | CJ1W-CTS21-E | High speed counter unit, 2 axes, SSI absolute encoder inputs, 9-31 bit, Gray/Binary/Taunenbaum/Raw coding, screw terminal | 686.50 | 4547648089739 |
| 323223 | CJ1W-NC113 | Position control unit, 1 axis, NPN open collector pulse string output, 500 KHz | 1,127.00 | 4547648708845 |
| 323224 | CJ1W-NC213 | Position control unit, 2 axes, NPN open collector pulse string output, 500 KHz | 1,614.00 | 4547648708852 |
| 323608 | CJ1W-NC271 | CJ1 Position control unit with MECHATROLINK II, 2 axes | 1,399.00 | 4547648708906 |
| 332458 | CJ1W-NC281 | CJ1 Position Control unit over EtherCAT, 2 axes, 16 nodes | 1,564.00 | 4547648810418 |
| 323227 | CJ1W-NC413 | Position control unit, 4 axes, NPN open collector pulse string output, 500 KHz | 2,416.00 | 4547648708883 |
| 332459 | CJ1W-NC481 | CJ1 Position Control unit over EtherCAT, 4 axes, 16 nodes | 2,184.00 | 4547648810425 |
| 339849 | CJ1W-NC482 | CJ1 Position Control unit over EtherCAT, 4 axes, 64 nodes | 2,276.00 | 4547648837453 |
| 339850 | CJ1W-NC882 | CJ1 Position Control unit over EtherCAT, 8 axes, 64 nodes | 2,712.00 | 4547648837460 |
| 323225 | CJ1W-NCF71 | CJ1 Position control unit with MECHATROLINK II, 16 axes | 2,807.00 | 4547648708869 |
| 341746 | CJ2M-MD211 | Pulse I/O Module for CJ2M, NPN with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs) | 244.50 | 4547648833080 |
| 341747 | CJ2M-MD212 | Pulse I/O Module for CJ2M, PNP with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs) | 244.50 | 4547648833097 |

Open to any communication

The CJ-Series provides both standardised open networks interfaces, and cost-efficient high-speed proprietary network links. Datalinks between PLCs, or to higher-level information systems can be made using Serial or Ethernet links, or the easy-to-use controller Link network.

- Omron supports the 2 major field networks, DeviceNet and PROFIBUS-DP. For high-speed field I/O, Omron's own CompoBus/S offers an unsurpassed ease of installation. Fully user-configurable Serial and CAN-based communication can be used to emulate a variety of application-specific protocols.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 258834 | CJ1W-CLK23 | Controller Link unit for CJ-series, 2-wire twisted pair, screw connectors | 819.00 | 4547648597661 |
| 172669 | CJ1W-CORT21 | User-defined CAN interface unit (11- and 29-bit identifiers) | 876.50 | 4547648093477 |
| 315606 | CJ1W-CRM21 | CompoNet master unit for CJ-series | 597.00 | 4547648708661 |
| 258836 | CJ1W-DRM21 | DeviceNet master/slave unit for CJ-series | 766.00 | 4547648597197 |
| 659361 | CJ1W-ECT21 | EtherCAT Slave Unit, 2 x RJ45 socket | 781.50 | 4548583576568 |
| 258403 | CJ1W-EIP21 | EtherNet/IP unit for CJ-series, 100Base-TX, 1 x RJ45 socket, supports CIP, FINS/UDP and FINS/TCP | 1,438.00 | 4547648597692 |
| 258832 | CJ1W-ETN21 | Ethernet unit for CJ-series, 100Base-TX and 10 Base-T, 1 x RJ45 socket, TCP/IP & UDP/IP socket services, FTP, SMTP, FINS | 1,385.00 | 4547648597586 |
| 291927 | CJ1W-PNT21 | PROFINET IO Controller (master) unit for CJ-series, 1 x RJ45 socket | 1,008.00 | 4547648476584 |
| 168022 | CJ1W-PRM21 | PROFIBUS DP master unit for CJ-series | 1,122.00 | 4547648010955 |
| 136031 | CJ1W-PRT21 | PROFIBUS DP slave unit, up to 100 words in and out, 180 words maximum | 756.00 | 4536854859908 |
| 258830 | CJ1W-SCU21-V1 | Serial communication unit, 2x RS-232C ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave | 530.50 | 4547648597272 |
| 323397 | CJ1W-SCU22 | Serial high-speed communication unit, 2x RS-232C ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps | 1,254.00 | 4547648779173 |
| 258835 | CJ1W-SCU31-V1 | Serial communication unit, 2x RS422/485 ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave | 726.50 | 4547648597685 |
| 323398 | CJ1W-SCU32 | Serial high-speed communication unit, 2x RS-422/485 ports, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps | 1,254.00 | 4547648779180 |
| 258831 | CJ1W-SCU41-V1 | Serial communication unit, 1x RS-232C port + 1x RS422/485 port, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, Modbus-RTU, Modbus-ASCII, Host Link), Modbus RTU Slave | 666.50 | 4547648597517 |
| 323399 | CJ1W-SCU42 | Serial high-speed communication unit, 1x RS-232C port + 1x RS-422/485 port, Protocol Macro, Host Link, 1:N NT Link, No protocol, Serial Gateway (CompoWay/F, MODBUS-RTU, MODBUS-ASCII, Host Link), MODBUS RTU Slave, up to 230 kbps | 1,198.00 | 4547648779197 |
| 258837 | CJ1W-SRM21 | CompoBus/S master unit for CJ-series | 401.60 | 4547648597494 |

Best in class compact machine controller



When it comes to controllers for compact machines, our CP1L series offers the compactness of a micro-PLC with the capabilities of a modular PLC. It provides all the functionality you need to control your machine, including outstanding positioning capability. On top of this some CP1L models have an embedded Ethernet port with socket services functionality to give you flexible connectivity for monitoring, operating, logging and remote access. The CP1L is completed with a range of optional boards for serial communication or analogue I/O and further expansion units in case more I/O is needed. As the CP1L series shares the same architecture as the CP1H, CJ1, and CS1 series, programs are compatible for memory allocations and instructions.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 667993 | CP1L-EL20DR-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port | 358.40 | 4548583751880 |
| 667994 | CP1L-EL20DT1-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port | 358.40 | 4548583751897 |
| 667986 | CP1L-EL20DT-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 2 x analog inputs, 5K steps program + 10K words data memory, 1 x Ethernet port | 358.40 | 4548583751903 |
| 667992 | CP1L-EM30DR-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 464.00 | 4548583751910 |
| 667990 | CP1L-EM30DT1-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 464.00 | 4548583751927 |
| 667988 | CP1L-EM30DT-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 464.00 | 4548583751934 |
| 667987 | CP1L-EM40DR-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 577.50 | 4548583751941 |
| 667991 | CP1L-EM40DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 577.50 | 4548583751958 |
| 667989 | CP1L-EM40DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port | 577.50 | 4548583751965 |
| 668681 | CP1L-L10DR-A | PLC, 100-240 VAC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 5K steps program + 10K words data memory | 284.80 | 4548583764736 |
| 668679 | CP1L-L10DR-D | PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 5K steps program + 10K words data memory | 275.50 | 4548583764743 |
| 668671 | CP1L-L10DT1-D | PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x PNP outputs 0.3 A, 5K steps program + 10K words data memory | 270.40 | 4548583764750 |
| 668670 | CP1L-L14DR-A | PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 5K steps program + 10K words data memory | 361.80 | 4548583764781 |
| 668663 | CP1L-L14DR-D | PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 5K steps program + 10K words data memory | 318.50 | 4548583764798 |
| 668660 | CP1L-L14DT1-D | PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x PNP outputs 0.3 A, 5K steps program + 10K words data memory | 321.50 | 4548583764804 |
| 668666 | CP1L-L14DT-D | PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x NPN outputs 0.3 A, 5K steps program + 10K words data memory | 320.70 | 4548583764828 |
| 668673 | CP1L-L20DR-A | PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 5K steps program + 10K words data memory | 418.10 | 4548583764835 |
| 668692 | CP1L-L20DR-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 5K steps program + 10K words data memory | 418.10 | 4548583764842 |
| 668690 | CP1L-L20DT1-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 5K steps program + 10K words data memory | 418.10 | 4548583764859 |
| 668694 | CP1L-L20DT-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 5K steps program + 10K words data memory | 418.10 | 4548583764873 |
| 668695 | CP1L-M30DR-A | PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 10K steps program + 32K words data memory | 524.50 | 4548583764880 |
| 668668 | CP1L-M30DR-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 10K steps program + 32K words data memory | 524.50 | 4548583764897 |
| 668688 | CP1L-M30DT1-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 10K steps program + 32K words data memory | 524.50 | 4548583764903 |
| 668662 | CP1L-M30DT-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 10K steps program + 32K words data memory | 524.50 | 4548583764927 |
| 668686 | CP1L-M40DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 10K steps program + 32K words data memory | 607.00 | 4548583764934 |
| 668689 | CP1L-M40DR-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 10K steps program + 32K words data memory | 607.00 | 4548583764941 |
| 668678 | CP1L-M40DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 10K steps program + 32K words data memory | 607.00 | 4548583764958 |
| 668674 | CP1L-M40DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 10K steps program + 32K words data memory | 607.00 | 4548583764972 |
| 668661 | CP1L-M60DR-A | PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 10K steps program + 32K words data memory | 775.50 | 4548583764989 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 668676 | CP1L-M60DR-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 10K steps program + 32K words data memory | 775.50 | 4548583764996 |
| 668665 | CP1L-M60DT1-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 10K steps program + 32K words data memory | 775.50 | 4548583765009 |
| 668672 | CP1L-M60DT-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x NPN outputs 0.3 A, 10K steps program + 32K words data memory | 775.50 | 4548583765023 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 364430 | CP1W-ADB21 | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000 | 105.50 | 4548583106703 |
| 678518 | CP1W-BAT01 | Battery for the CP1 PLC | 19.69 | 4549734925969 |
| 672569 | CP1W-CIF01 | CP1 RS-232C (15 m max.) serial communication option board | 53.70 | 4548583810914 |
| 672570 | CP1W-CIF11 | CP1 RS422/485 (50 m max.) serial communication option board | 53.70 | 4548583810921 |
| 673349 | CP1W-CIF41 | CP1 Ethernet communications option, 1 x RJ45 socket | 320.20 | 4548583810945 |
| 676856 | CP1W-CN221 | USB Programming cable, A-type male to B-type male, 1.8 m | 9.82 | 4549734914413 |
| 209406 | CP1W-CN811 | I/O expansion cable for CP1-series, 80 cm | 79.90 | 4547648203630 |
| 364431 | CP1W-DAB21V | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog outputs 0 to 10 V, resolution 1:4000 | 105.50 | 4548583106710 |
| 247844 | CP1W-DAM01 | LCD option board to CP1L and CP1H | 121.20 | 4547648527286 |
| 365009 | CP1W-EIP61 | CP1 EtherNet/IP communications option, for datalink function only, 1 x RJ45 socket | 412.50 | 4547648934893 |
| 364429 | CP1W-MAB221 | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000 | 183.30 | 4548583106697 |
| 209405 | CP1W-ME05M | CP1 memory cassette (for upload/download of user program) | 63.40 | 4547648203623 |
| 365010 | CP1W-MODTCP61 | CP1 Modbus TCP communications option, Master or Slave, 1 x RJ45 socket | 398.20 | 4547648934909 |

CP1E**Compact PLC****The economic machine controller**

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 333280 | CP1E-E10DR-A | PLC, 100-240 VAC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 2K steps program + 2K words data memory | 169.30 | 4547648800792 |
| 333283 | CP1E-E10DR-D | PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x relay outputs 2 A, 2K steps program + 2K words data memory | 169.30 | 4547648800822 |
| 333285 | CP1E-E10DT1-D | PLC, 24 VDC supply, 6 x 24 VDC inputs, 4 x PNP outputs 0.3 A, 2K steps program + 2K words data memory | 169.30 | 4547648800846 |
| 333286 | CP1E-E14DR-A | PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 2K steps program + 2K words data memory | 216.00 | 4547648800853 |
| 377329 | CP1E-E14SDR-A | PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 2K steps program + 2K words data memory, no expandability | 121.70 | 4548583371187 |
| 279802 | CP1E-E20DR-A | PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2K steps program + 2K words data memory | 263.30 | 4547648639286 |
| 377342 | CP1E-E20SDR-A | PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2K steps program + 2K words data memory, no expandability | 150.10 | 4548583371194 |
| 279803 | CP1E-E30DR-A | PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2K steps program + 2K words data memory | 358.40 | 4547648639293 |
| 377330 | CP1E-E30SDR-A | PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2K steps program + 2K words data memory | 189.70 | 4548583371200 |
| 279804 | CP1E-E40DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2K steps program + 2K words data memory | 434.70 | 4547648639309 |
| 377331 | CP1E-E40SDR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 2K steps program + 2K words data memory | 250.80 | 4548583371217 |
| 377332 | CP1E-E60SDR-A | PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 2K steps program + 2K words data memory | 316.60 | 4548583371224 |
| 333287 | CP1E-N14DR-A | PLC, 100-240 VAC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 258.60 | 4547648800860 |
| 333290 | CP1E-N14DR-D | PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 247.40 | 4547648800891 |
| 333292 | CP1E-N14DT1-D | PLC, 24 VDC supply, 8 x 24 VDC inputs, 6 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 258.60 | 4547648800914 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 279799 | CP1E-N20DR-A | PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 341.80 | 4547648639194 |
| 298943 | CP1E-N20DR-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 341.80 | 4547648730716 |
| 298937 | CP1E-N20DT1-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 341.80 | 4547648730730 |
| 298944 | CP1E-N20DT-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 341.80 | 4547648730723 |
| 279800 | CP1E-N30DR-A | PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 431.20 | 4547648639224 |
| 298945 | CP1E-N30DR-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 431.20 | 4547648730747 |
| 298938 | CP1E-N30DT1-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 431.20 | 4547648730761 |
| 298946 | CP1E-N30DT-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 431.20 | 4547648730754 |
| 377333 | CP1E-N30S1DR-A | PLC, 100-240 VAC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 240.30 | 4548583371330 |
| 377335 | CP1E-N30S1DT1-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 221.30 | 4548583371354 |
| 377334 | CP1E-N30S1DT-D | PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 221.30 | 4548583371347 |
| 279801 | CP1E-N40DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 504.50 | 4547648639255 |
| 298947 | CP1E-N40DR-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 504.50 | 4547648730778 |
| 298936 | CP1E-N40DT1-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 504.50 | 4547648639279 |
| 298939 | CP1E-N40DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 504.50 | 4547648730792 |
| 298948 | CP1E-N40DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 504.50 | 4547648730785 |
| 377343 | CP1E-N40S1DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 256.50 | 4548583371361 |
| 377337 | CP1E-N40S1DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 256.20 | 4548583371385 |
| 377336 | CP1E-N40S1DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 256.20 | 4548583371378 |
| 333293 | CP1E-N60DR-A | PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 686.50 | 4547648800921 |
| 333296 | CP1E-N60DR-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C port | 686.50 | 4547648800952 |
| 333298 | CP1E-N60DT1-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C port | 686.50 | 4547648800976 |
| 377338 | CP1E-N60S1DR-A | PLC, 100-240 VAC supply, 36 x 24 VDC inputs, 24 x relay outputs 2 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 338.30 | 4548583371392 |
| 377340 | CP1E-N60S1DT1-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x PNP outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 338.30 | 4548583371415 |
| 377339 | CP1E-N60S1DT-D | PLC, 24 VDC supply, 36 x 24 VDC inputs, 24 x NPN outputs 0.3 A, 8K steps program + 8K words data memory, RS-232C and RS-485 (half-duplex) port | 338.30 | 4548583371408 |
| 328738 | CP1E-NA20DR-A | PLC, 100-240 VAC supply, 12 x 24 VDC inputs, 8 x relay outputs 2 A, 2 x analog inputs, 1 x analog output, resolution 1/6000, 8K steps program + 8K words data memory, RS-232C port | 597.00 | 4547648800761 |
| 328740 | CP1E-NA20DT1-D | PLC, 24 VDC supply, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A, 2 x analog inputs, 1 x analog output, resolution 1/6000, 8K steps program + 8K words data memory, RS-232C port | 597.00 | 4547648800785 |



Fastest compact machine controller

Designed for compact machines, it combines the size of a micro PLC and the power of a modular PLC. Four built-in high-speed counters and four pulse outputs are ideal for multi-axis positioning control. The CP1H-XA comes with 4 analog inputs and 2 analog outputs built-in. This makes it suitable for simple loop control, using the PLC's advanced PID control function with auto-tuning. The CP1H can be expanded with CP1W I/Os and supports up to 2 CJ1 special I/O units. This means that it is open to popular fieldbuses and supports all communication units of the CJ1 series.

- Up to 1 MHz for inputs/outputs
- CJ1M compatible instruction set and execution speed
- 4 analog inputs and 2 analog outputs for the XA model
- USB port for easy communication, programming and configuration
- Supports PROFIBUS, DeviceNet, CAN and Ethernet

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 209400 | CP1H-X40DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 1 x analog input, 20K steps program + 32K words data memory | 892.00 | 4547648203579 |
| 209402 | CP1H-X40DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 1 x analog input, 20K steps program + 32K words data memory | 892.00 | 4547648203593 |
| 209401 | CP1H-X40DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 1 x analog input, 20K steps program + 32K words data memory | 892.00 | 4547648203586 |
| 209397 | CP1H-XA40DR-A | PLC, 100-240 VAC supply, 24 x 24 VDC inputs, 16 x relay outputs 2 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory | 1,371.00 | 4547648203548 |
| 209399 | CP1H-XA40DT1-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory | 1,371.00 | 4547648203562 |
| 209398 | CP1H-XA40DT-D | PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory | 1,371.00 | 4547648203555 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 209407 | CP1W-EXT01 | CP1H CPU to CJ1W unit adapter, includes CJ endplate | 95.95 | 4547648203647 |

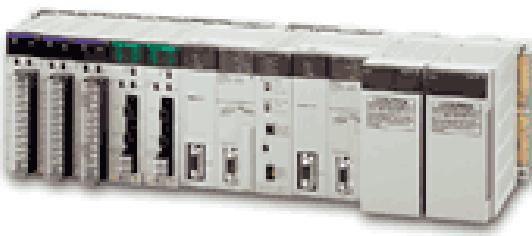
Expand the capacity of your Compact PLC



A wide variety of expansion units such as Digital I/O, Analog I/O and Remote I/O are available to create the application you need. These CP1W / CPM1A expansion units can be used for CPM1A, CPM2A, CP1E, CP1L and CP1H series PLC.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 670917 | CP1W-16ER | I/O expansion unit, 16 x relay outputs 2 A | 228.10 | 4548583810747 |
| 670913 | CP1W-16ET | I/O expansion unit, 16 x NPN outputs 0.3 A | 201.50 | 4548583810754 |
| 670918 | CP1W-16ET1 | I/O expansion unit, 16 x PNP outputs 0.3 A | 201.50 | 4548583810761 |
| 670923 | CP1W-20EDR1 | I/O expansion unit, 12 x 24 VDC inputs, 8 x relay outputs 2 A | 219.20 | 4548583810778 |
| 670912 | CP1W-20EDT | I/O expansion unit, 12 x 24 VDC inputs, 8 x NPN outputs 0.3 A | 227.30 | 4548583810785 |
| 670919 | CP1W-20EDT1 | I/O expansion unit, 12 x 24 VDC inputs, 8 x PNP outputs 0.3 A | 227.30 | 4548583810792 |
| 670914 | CP1W-32ER | I/O expansion unit, 32 x relay outputs 2 A | 387.80 | 4548583810808 |
| 670920 | CP1W-32ET | I/O expansion unit, 32 x NPN outputs 0.3 A | 387.80 | 4548583810815 |
| 670910 | CP1W-32ET1 | I/O expansion unit, 32 x PNP outputs 0.3 A | 387.80 | 4548583810822 |
| 670909 | CP1W-40EDR | I/O expansion unit, 24 x 24 VDC inputs, 16 x relay outputs 2 A | 401.60 | 4548583810839 |
| 670915 | CP1W-40EDT | I/O expansion unit, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A | 404.50 | 4548583810846 |
| 670921 | CP1W-40EDT1 | I/O expansion unit, 24 x 24 VDC inputs, 16 x PNP outputs 0.3 A | 395.20 | 4548583810853 |
| 670916 | CP1W-8ED | I/O expansion unit, 8 x 24 VDC inputs | 155.40 | 4548583810860 |
| 670922 | CP1W-8ER | I/O expansion unit, 8 x relay outputs 2 A | 157.80 | 4548583810877 |
| 670911 | CP1W-8ET | I/O expansion unit, 8 x NPN outputs 0.3 A | 170.50 | 4548583810884 |
| 670924 | CP1W-8ET1 | I/O expansion unit, 8 x PNP outputs 0.3 A | 175.00 | 4548583810891 |
| 671145 | CP1W-AD041 | I/O expansion unit, 4 x analog inputs 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000 | 398.10 | 4548583810907 |
| 671144 | CP1W-AD042 | I/O expansion unit, 4 x analog inputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA | 218.30 | 4548583810983 |
| 671147 | CP1W-DA021 | I/O expansion unit, 2 x analog outputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000 | 387.80 | 4548583810952 |
| 671148 | CP1W-DA041 | I/O expansion unit, 4 x analog outputs 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000 | 441.60 | 4548583810969 |
| 671146 | CP1W-DA042 | I/O expansion unit, 4 x analog outputs 1 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA | 235.20 | 4548583810990 |
| 671149 | CP1W-MAD11 | I/O expansion unit, 2 x analog inputs 0 to 20 mA, 4 to 20 mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 1 x analog output 0 to 20 mA, 4 to 20 mA, 1 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:6000 | 444.30 | 4548583810976 |
| 671151 | CP1W-MAD42 | I/O expansion unit, 4 x analog inputs and 2 x analog outputs | 282.70 | 4548583811003 |
| 671150 | CP1W-MAD44 | I/O expansion unit, 4 x analog inputs and 4 x analog outputs | 401.60 | 4548583811010 |
| 250196 | CP1W-SRT21 | CP1 CompoBus/S I/O data link unit | 232.80 | 4547648511223 |
| 673348 | CP1W-TS001 | I/O expansion unit, 2 x thermocouple inputs type J, K | 368.30 | 4548583811034 |
| 673347 | CP1W-TS002 | I/O expansion unit, 4 x thermocouple inputs type J, K | 464.00 | 4548583811041 |
| 674253 | CP1W-TS003 | I/O expansion unit, 4 x thermocouple inputs type J, K or 2 x type J, K and 2 x analog inputs | 243.90 | 4548583811027 |
| 401523 | CP1W-TS004 | I/O expansion unit, 12 x thermocouple inputs type J, K | 401.30 | 4548583557932 |
| 672572 | CP1W-TS101 | I/O expansion unit, 2 x RTD inputs Pt100 | 368.30 | 4548583811058 |
| 672573 | CP1W-TS102 | I/O expansion unit, 4 x RTD inputs Pt100 | 464.00 | 4548583811065 |

The dual-redundant PLC system for never-fail control



CS1D adds a number of dual-redundancy options to the well-proven CS1 architecture to ensure around-the-clock operation without minimal downtime. Duplex CPUs, with or without loop control functions, are continuously cross-checked for errors, without the need for special programs to be written by the user. An even simpler way to increase system availability is to use dual power supply units. Hot swapping of CPUs, power supplies and I/O units allow system maintenance with little or no process interruption.

- Choose the level of redundancy needed; CPU, power supply, communication
- No special programming or software tools required
- Hot-swapping of I/O units
- All standard CS1 I/O units can be mounted
- Ideal for control of power generators, water supply utilities, 24/7 production.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 224561 | CS1W-CN114 | Communication adapter, CQM1-PRO01 to CS1/CQM1H/CPM2C, 0.1 m | 81.90 | 4547648227056 |
| 224559 | CS1W-CN118 | Communication adapter, CS1/CQM1H/CPM2C peripheral port to 9-pin receptacle (use with XWZ-***S-CV), 0.1 m | 81.90 | 4547648227025 |
| 224557 | CS1W-CN226 | Communication cable, CS1/CQM1H/CPM2C/CJ1 peripheral port to PC 9-pin RS-232C port, 2 m | 117.30 | 4547648226998 |
| 224558 | CS1W-CN626 | Communication cable, CS1/CQM1H/CPM2C peripheral port to PC 9-pin RS-232C port, 6 m | 169.30 | 4547648227001 |

WE70

Ethernet cables and accessories



FA Wireless LAN unit

WE70 utilises spread-spectrum modulation technology based on radio waves to enable communication between devices in a limited area. This gives users the mobility to move around within a broad coverage area and still be connected to the network. The smart roaming function enables high speed roaming therefore moving equipment and mobile object can communicate at high speed.

- Conforms to IEEE 802.11a/b/g.
- Same noise and environment resistance level as a PLC.
- Features OMRON'S original security system.
- Signals can be observed with LED indicators.
- Conforms to radio wave standards for the USA, Europe, and China.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 239023 | WE70-AP-EU | Wireless Ethernet Access Point, 2.4 GHz and 5 GHz supported | 2,220.00 | 4547648424257 |
| 239025 | WE70-AT001H | Wireless Ethernet magnet-base antennae (set of 2) | 271.20 | 4547648424462 |
| 239024 | WE70-CL-EU | Wireless Ethernet Client, 2.4 GHz and 5 GHz supported | 1,350.00 | 4547648424264 |

Additional PLC

Additional PLC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 224537 | CS1W-CN133 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 10 m | 457.80 | 4547648226868 |
| 224538 | CS1W-CN133-B2 | CS1/CJ/NJ connecting cable, 12 m | 574.00 | 4547648226875 |
| 224550 | CS1W-CN223 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 2 m | 215.40 | 4547648226837 |
| 224548 | CS1W-CN313 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 30 cm | 95.55 | 4547648226813 |
| 224551 | CS1W-CN323 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 3 m | 246.70 | 4547648226844 |
| 224552 | CS1W-CN523 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 5 m | 287.40 | 4547648226851 |
| 224549 | CS1W-CN713 | I/O expansion rack connecting cable for NJ/CJ/CS-series, 70 cm | 142.80 | 4547648226820 |

Performance and practicality for machine control



Modern machine control requires system-wide synchronisation of motion axes with microsecond accuracy. The NX I/O system offers this timing accuracy and repeatability for a wide variety of in- and outputs. Its ultra-fast internal bus system is synchronised with the Distributed Clock of the EtherCAT network, resulting in system-wide deterministic I/O operation.

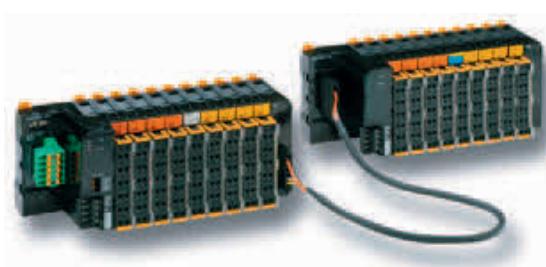
- Ideal match with Sysmac Machine automation controllers and CJ2-series PLC's
- Synchronous I/O updates, system-wide, with less than 1 µs jitter using EtherCAT
- High density: up to 16 digital or 8 analog signals in 12 mm width
- Removable wiring terminals for easy system assembly and testing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 375627 | NX-AD2204 | 2 Analog Inputs, 4 to 20 mA differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 198.60 | 4548583353336 |
| 375628 | NX-AD2208 | 2 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 255.20 | 4548583353343 |
| 375618 | NX-AD2604 | 2 Analog Inputs, -10 to 10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 198.60 | 4548583353244 |
| 375619 | NX-AD2608 | 2 Analog Inputs, -10 to 10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 255.20 | 4548583353251 |
| 375631 | NX-AD3208 | 4 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 352.40 | 4548583353374 |
| 375620 | NX-AD3603 | 4 Analog Inputs, -10 to 10 V single ended, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 226.50 | 4548583353268 |
| 375621 | NX-AD3604 | 4 Analog Inputs, -10 to 10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 226.50 | 4548583353275 |
| 375622 | NX-AD3608 | 4 Analog Inputs, -10 to 10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 352.40 | 4548583353282 |
| 375634 | NX-AD4208 | 8 Analog Inputs, 4 to 20 mA differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 452.00 | 4548583353404 |
| 375623 | NX-AD4603 | 8 Analog Inputs, -10 to +10 V single ended, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 311.50 | 4548583353299 |
| 375624 | NX-AD4604 | 8 Analog Inputs, -10 to +10 V differential, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 311.50 | 4548583353305 |
| 375625 | NX-AD4608 | 8 Analog Inputs, -10 to +10 V differential, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 452.00 | 4548583353312 |
| 656498 | NX-CIF101 | Serial Communication Interface Unit, 1 x RS-232C, screwless push-in connector, 12 mm wide | 362.80 | 4548583588653 |
| 656497 | NX-CIF105 | Serial Communication Interface Unit, 1 x RS-422/485C, screwless push-in connector, 12 mm wide | 362.80 | 4548583588660 |
| 656499 | NX-CIF210 | Serial Communication Interface Unit, 2 x RS-232C, 9-pin D-sub, 30 mm wide | 426.80 | 4548583588677 |
| 684732 | NX-CSG320 | Safety Gateway for CIP-Safety, SD-Card slot, iBus connection up to 10 A, Interface 1: Ethernet/IP port, Interface 2: CIP-Safety switching ports | 1,038.00 | 4549734205719 |
| 375639 | NX-DA2203 | 2 Analog Outputs, 4 - 20 mA, resolution 1:8000, 250 µs/ch, screwless push-in connector, 12 mm wide | 217.30 | 4548583353459 |
| 375640 | NX-DA2205 | 2 Analog Outputs, 4 - 20 mA, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 273.40 | 4548583353466 |
| 375636 | NX-DA2605 | 2 Analog Outputs, -10 to 10 V, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 273.40 | 4548583353428 |
| 375642 | NX-DA3205 | 4 Analog Outputs, 4 - 20 mA, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 369.50 | 4548583353480 |
| 375638 | NX-DA3605 | 4 Analog Outputs, -10 to 10 V, resolution 1:30000, 10 µs/ch, screwless push-in connector, 12 mm wide | 369.50 | 4548583353442 |
| 393633 | NX-EC0112 | 1 x Incremental Encoder NPN Input, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide | 236.80 | 4548583552104 |
| 375645 | NX-EC0122 | 1 x Incremental Encoder PNP Input, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide | 221.20 | 4548583353619 |
| 393635 | NX-EC0132 | 1 x Incremental Encoder Line driver Input, Phases A and B: Single-phase 4 MHz (phase difference pulse Input x4: 1 MHz), Phase Z: 1 MHz, NPN, screwless push-in connectors, 24 mm wide | 369.50 | 4548583552128 |
| 375647 | NX-EC0142 | 1 x Incremental Encoder Line driver Input, phases A and B: single-phase 4 MHz (phase difference pulse Input x4: 1 MHz), Phase Z: 1 MHz, PNP, screwless push-in connectors, 24 mm wide | 342.80 | 4548583353633 |
| 393634 | NX-EC0212 | 2 x Incremental Encoder NPN Inputs, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide | 264.40 | 4548583552111 |
| 375646 | NX-EC0222 | 2 x Incremental Encoder PNP Inputs, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-in connector, 12 mm wide | 246.40 | 4548583353626 |
| 419154 | NX-ECC203 | NX-series EtherCAT Coupler, 2 ports, 125 µs cycle time, 63 I/O units, max I/O current 10 A, screwless push-in connector, delivered with end cover | 207.80 | 4548583561939 |
| 375648 | NX-ECS112 | 1 x SSI encoder Input, EIA standard RS-422-A, 32 bits max data length, screwless push-in connector, 12 mm wide | 311.50 | 4548583353640 |
| 375649 | NX-ECS212 | 2 x SSI encoder Inputs, EIA standard RS-422-A, 32 bits max data length, screwless push-in connector, 12 mm wide | 369.50 | 4548583353657 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 399449 | NX-EIC202 | NX-series EtherNet/IP Coupler, 2 ports, supports local safety, 63 I/O units, max I/O current 10 A, screwless push-in connector, delivered with end cover | 330.90 | 4548583523333 |
| 682695 | NX-HAD402 | 4 High Speed Analog Inputs, -10 to 10 V, -5 to 5 V, 0 to 10 V, 0 to 5 V, 1 to 5 V, 0 to 20 mA, 4 to 20 mA, differential, resolution 1:64000, 5 µs/ch, screwless push-in connector, 24 mm wide, PNP | 1,030.00 | 4549734209663 |
| 670521 | NX-HB3101 | Heater Burnout Detection Unit, 4 CT inputs, 4 NPN Outputs, screwless push-in connector, 12 mm wide | 389.10 | 4548583801981 |
| 670522 | NX-HB3201 | Heater Burnout Detection Unit, 4 CT inputs, 4 PNP Outputs, screwless push-in connector, 12 mm wide | 389.10 | 4548583801998 |
| 380132 | NX-IA3117 | 4 Digital Inputs, 240 VAC, individually isolated, screwless push-in connector, 12 mm wide | 66.30 | 4548583353107 |
| 375601 | NX-ID3317 | 4 Digital Inputs, Standard speed, NPN 24 VDC, screwless push-in connector, 12 mm wide | 50.40 | 4548583353008 |
| 375607 | NX-ID3343 | 4 Digital Inputs, High speed, NPN 24 VDC, screwless push-in connector, 12 mm wide | 98.35 | 4548583353060 |
| 377554 | NX-ID3344 | 4 Digital Inputs, High speed Timestamp, NPN 24 VDC, screwless push-in connector, 12 mm wide | 173.60 | 4548583353084 |
| 375661 | NX-ID3443 | 4 Digital Inputs, High speed, PNP 24 VDC, screwless push-in connector, 12 mm wide | 98.35 | 4548583368378 |
| 377555 | NX-ID3444 | 4 Digital Inputs, High speed Timestamp, PNP 24 VDC, screwless push-in connector, 12 mm wide | 173.60 | 4548583353091 |
| 645477 | NX-ID5142-1 | 16 Digital Inputs, Standard speed, NPN/PNP 24 VDC, screw connector, 30 mm wide | 113.50 | 4548583572881 |
| 393625 | NX-ID5142-5 | 16 Digital Inputs, Standard speed, NPN/PNP 24 VDC, MIL20 connector (not included), 30 mm wide | 124.30 | 4548583552029 |
| 393626 | NX-ID6142-5 | 32 Digital Inputs, Standard speed, NPN/PNP 24 VDC, MIL40 connector (not included), 30 mm wide | 210.30 | 4548583552036 |
| 671127 | NX-ILM400 | NX series IO-Link master IP20, 4 channels | 223.80 | 4548583819139 |
| 393631 | NX-MD6121-5 | 16 Digital Inputs + 16 Digital NPN Outputs, Standard speed, 24 VDC, 2 x MIL20 connectors (not included), 30 mm wide | 218.40 | 4548583552081 |
| 393632 | NX-MD6256-5 | 16 Digital Inputs + 16 Digital PNP Outputs, Standard speed, 24 VDC, 2 x MIL20 connectors (not included), 30 mm wide | 218.40 | 4548583552098 |
| 672508 | NX-OC4633 | 8 Digital Outputs, normally-open relays, 2 A, 250 VAC, screwless push-in connector, 24 mm wide | 165.20 | 4548583863569 |
| 377556 | NX-OD2154 | 2 Digital Outputs, High speed Timestamp, NPN 24 VDC, 0.5 A/point, 1 A/NX Unit, screwless push-in connector, 12 mm wide | 127.70 | 4548583407596 |
| 377557 | NX-OD2258 | 2 Digital Outputs, High speed Timestamp, PNP 24 VDC, 0.5 A/point, 1 A/NX Unit, screwless push-in connector, 12 mm wide | 127.70 | 4548583407602 |
| 375608 | NX-OD3121 | 4 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide | 57.30 | 4548583353114 |
| 375614 | NX-OD3153 | 4 Digital Outputs, High speed, NPN 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide | 109.50 | 4548583353176 |
| 375615 | NX-OD3257 | 4 Digital Outputs, High speed, PNP 24 VDC, 0.5 A/point, 2 A/NX Unit, screwless push-in connector, 12 mm wide | 104.50 | 4548583353183 |
| 646461 | NX-OD3268 | 4 Digital Outputs, Standard speed, PNP 24 VDC, 2 A/point, 8 A/NX unit, screwless push-in connector, 12 mm wide | 74.05 | 4548583572928 |
| 375610 | NX-OD4121 | 8 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, screwless push-in connector, 12 mm wide | 75.25 | 4548583353138 |
| 393627 | NX-OD5121-5 | 16 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL20 connector (not included), 30 mm wide | 133.00 | 4548583552043 |
| 645603 | NX-OD5256-1 | 16 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 5 A/NX Unit, screw connector, 30 mm wide | 160.90 | 4548583572935 |
| 393629 | NX-OD5256-5 | 16 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL20 connector (not included), 30 mm wide | 136.70 | 4548583552067 |
| 393628 | NX-OD6121-5 | 32 Digital Outputs, Standard speed, NPN 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL40 connector (not included), 30 mm wide | 225.90 | 4548583552050 |
| 393630 | NX-OD6256-5 | 32 Digital Outputs, Standard speed, PNP 24 VDC, 0.5 A/point, 4 A/NX Unit, MIL40 connector (not included), 30 mm wide | 225.90 | 4548583552074 |
| 393636 | NX-PG0112 | 1 x Pulse Output, Forward/reverse direction pulses or Pulse + direction signal, NPN, screwless push-in connector, 12 mm wide | 279.60 | 4548583552135 |
| 375650 | NX-PG0122 | 1 x Pulse Output, Forward/reverse direction pulses or Pulse + direction signal, PNP, screwless push-in connector, 12 mm wide | 260.70 | 4548583353664 |
| 670274 | NX-PG0232-5 | 2 x Line Driver Pulse Output, NPN, 4 Mpps, 1 x MIL connector, 12 mm wide | 621.50 | 4548583783461 |
| 670276 | NX-PG0242-5 | 2 x Line Driver Pulse Output, PNP, 4 Mpps, 1 x MIL connector, 12 mm wide | 621.50 | 4548583783478 |
| 670273 | NX-PG0332-5 | 4 x Line Driver Pulse Output, NPN, 4 Mpps, 2 x MIL connectors, 24 mm wide | 887.50 | 4548583783447 |
| 670272 | NX-PG0342-5 | 4 x Line Driver Pulse Output, PNP, 4 Mpps, 2 x MIL connectors, 24 mm wide | 887.50 | 4548583783454 |
| 670275 | NX-RS1201 | 1 x Load Cell input, -5.0 to 5.0 mV/V, 24 bit, 125 µs, screwless push-in connector, 12 mm wide | 470.70 | 4548583799158 |
| 674186 | NX-RS1201-K | 1 x Load Cell input with certification, -5.0 to 5.0 mV/V, 24 bit, 125 µs, screwless push-in connector, 12 mm wide | 676.00 | 4549734110235 |
| 377519 | NX-SID800 | 8 Digital Safety Inputs, PNP 24 VDC, screwless push-in connector, 12 mm wide | 362.50 | 4548583377080 |
| 393738 | NX-SIH400 | 4 Digital Safety Inputs, PNP 24 VDC, high connectivity unit, screwless push-in connector, 12 mm wide | 280.90 | 4548583556072 |
| 393736 | NX-SL3300 | Safety controller, 32 safety master connections, up to 256 safety I/O | 292.00 | 4548583556058 |
| 393737 | NX-SL3500 | Safety controller, 128 safety master connections, up to 1024 safety I/O, 2MB memory capacity | 656.00 | 4548583556065 |
| 684733 | NX-SL5500 | Safety controller, CIP-S and EtherCAT, 128 safety master connections, up to 1024 safety I/O, 2 MB memory capacity, SD Backup/Restore supported | 801.50 | 4549734205702 |
| 377518 | NX-SOD400 | 4 Digital Safety Outputs, PNP 24 VDC, 0.5 A/point, 2.0 A/NX Unit, screwless push-in connector, 12 mm wide | 310.80 | 4548583377066 |
| 377520 | NX-SOH200 | 2 Digital Safety Outputs, PNP 24 VDC, 2.0 A/point, 4.0 A/NX Unit, screwless push-in connector, 12 mm wide | 270.50 | 4548583377097 |
| 375656 | NX-TBX01 | NX FG shield connection unit, 16 terminals, screwless push-in connector, 12mm wide | 41.61 | 4548583353725 |
| 680545 | NX-TC2405 | 2 loops, Thermocouple/Pt100 input, PNP 2 Digital Outputs 24 VDC, 21mA/point, Heat or Cool control, Heater burnout alarm, Push-in Plus terminals | 371.50 | 4549734191388 |
| 680937 | NX-TC2406 | 2 loops, Thermocouple/Pt100 input, PNP 2 Digital Outputs 24 VDC, 21 mA/point, Heat or Cool control, Push-in Plus terminals | 340.40 | 4549734191395 |
| 680542 | NX-TC2407 | 2 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21mA/point, Heat and Cool control, Push-in Plus terminals | 349.90 | 4549734191401 |
| 680543 | NX-TC3405 | 4 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21mA/point, Heat or Cool control, Heater burnout alarm, Push-in Plus terminals | 472.40 | 4549734191425 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 680544 | NX-TC3406 | 4 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21 mA/point, Heat or Cool control, Push-in Plus terminals | 425.30 | 4549734191432 |
| 680935 | NX-TC3407 | 4 loops, Thermocouple/Pt100 input, PNP 8 Digital Outputs 24 VDC, 21 mA/point, Heat and Cool control, Push-in Plus terminals | 434.70 | 4549734191449 |
| 680936 | NX-TC3408 | 4 loops, Thermocouple/Pt100 input, 4 Analog Outputs, 4 - 20 mA, resolution 1:10000, Heat or Cool control, Push-in Plus terminals | 511.00 | 4549734191456 |
| 377373 | NX-TS2101 | 2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.1°C, 250 ms/Unit, screwless push-in connector, 12 mm wide | 231.70 | 4548583353497 |
| 380149 | NX-TS2102 | 2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.01°C, 10 ms/Unit, screwless push-in connector, 12 mm wide | 373.30 | 4548583353503 |
| 380134 | NX-TS2104 | 2 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C(W/Re5-26), P(PLII), resolution 0.001°C, 60 ms/Unit, screwless push-in connector, 12 mm wide | 373.30 | 4548583353510 |
| 375643 | NX-TS2201 | 2 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000, resolution 0.1 °C, 250 ms/Unit, screwless push-in connector, 12 mm wide | 231.70 | 4548583353558 |
| 380136 | NX-TS2202 | 2 Temperature Sensor Inputs, Pt100 (3-wire), resolution 0.01°C, 10 ms/Unit, screwless push-in connector, 12 mm wide | 373.30 | 4548583353565 |
| 380137 | NX-TS2204 | 2 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000 (3-wire) resolution 0.001°C, 60 ms/Unit, screwless push-in connector, 12 mm wide | 373.30 | 4548583353572 |
| 377374 | NX-TS3101 | 4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.1°C, 250 ms/Unit, screwless push-in connectors, 24 mm wide | 295.50 | 4548583353527 |
| 380135 | NX-TS3102 | 4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.01°C, 10 ms/Unit, screwless push-in connectors, 24 mm wide | 476.50 | 4548583353534 |
| 380150 | NX-TS3104 | 4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.001°C, 60 ms/Unit, screwless push-in connectors, 24 mm wide | 476.50 | 4548583353541 |
| 375644 | NX-TS3201 | 4 Temperature Sensor Inputs, Pt100 (3-wire), Pt1000, resolution 0.1 °C, 250 ms/Unit, screwless push-in connectors, 24 mm wide | 295.50 | 4548583353589 |
| 380138 | NX-TS3202 | 4 Temperature Sensor Inputs, Pt100 (3-wire), resolution 0.01°C, 10 ms/Unit, screwless push-in connectors, 24 mm wide | 476.50 | 4548583353596 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 375659 | NX-AUX01 | NX-series accessory, DIN rail insulation spacers, set of 3 pcs | 19.97 | 4548583364561 |
| 375660 | NX-AUX02 | Terminal block coding pins for 10x NX I/O units (terminal block: 30 pins, unit: 30 pins) | 10.03 | 4548583365148 |
| 375657 | NX-END01 | Replacement end cover for NX I/O series | 9.82 | 4548583353732 |
| 380143 | NX-TBA162 | Replacement screwless push-in connector with 16 wiring terminals (marked A+B) | 9.83 | 4548583476530 |
| 380145 | NX-TBB162 | Replacement screwless push-in connector with 16 wiring terminals (marked C+D) | 9.39 | 4548583476554 |



The smartest modular I/O system

Omron's SmartSlice I/O system is compact, intelligent and easy. When used with Omron's CS1/CJ1 DeviceNet master units it is plug-and-work, no configuration tool is required. By using built-in functions such as pre-scaling, totalising, differentiation and alarming in analog I/O units, PLC programming can be minimised. Preventive maintenance data can be accessed using CX-Integrator software, standard PLC function blocks or NS-series Smart Active Parts.

- Most compact in the market (84 mm high)
- Easy set-up, backup and restore functions
- Diagnostics and preventive maintenance data at I/O level
- Detachable terminal blocks allow hot-swapping without re-wiring
- 3-wire connection with 'push-in' technology, no screwdriver required for installation

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 224393 | GRT1-AD2 | SmartSlice 2 x analog inputs, 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 0 to 20 mA, 4 to 20 mA, resolution 1:6000 | 326.20 | 4547648221498 |
| 228280 | GRT1-CP1-L | SmartSlice positioning unit, 1 x encoder input (A/B/Z), 100 kHz, 24 VDC PNP / RS422 line driver inputs, 1 x 24 VDC PNP control input, 2 x PNP 0.5 A range control outputs | 306.30 | 4547648298209 |
| 248724 | GRT1-CRT | SmartSlice communication adaptor for CompoNet (End plate to be ordered separately) | 346.90 | 4547648561389 |
| 228278 | GRT1-CT1 | SmartSlice high speed counter unit, 1 x encoder input (A/B/Z), 60 kHz, 24 VDC NPN inputs, 1 x NPN 0.5 A range control output | 222.00 | 4547648298186 |
| 228279 | GRT1-CT1-1 | SmartSlice high speed counter unit, 1 x encoder input (A/B/Z), 60 kHz, 24 VDC PNP inputs, 1 x PNP 0.5 A range control output | 222.00 | 4547648298193 |
| 224394 | GRT1-DA2C | SmartSlice 2 x analog outputs, 0 to 20 mA, 4 to 20 mA, resolution 1:6000 | 325.40 | 4547648221504 |
| 224395 | GRT1-DA2V | SmartSlice 2 x analog outputs, 1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, resolution 1:6000 | 325.40 | 4547648221511 |
| 211521 | GRT1-DRT | SmartSlice communication adaptor for DeviceNet, connects up to 64 GRT1 I/O units (End plate to be ordered separately) | 396.10 | 4547648219327 |
| 350103 | GRT1-ECT | SmartSlice communication adaptor for EtherCAT, connects up to 64 GRT1 I/O units (End plate to be ordered separately) | 489.80 | 4548583003019 |
| 212286 | GRT1-ID4-1 | SmartSlice 4 x digital inputs, 24 VDC, PNP | 76.15 | 4547648219341 |
| 235172 | GRT1-ID8 | SmartSlice 8 x digital inputs, 24 VDC, NPN | 111.00 | 4547648325646 |
| 235173 | GRT1-ID8-1 | SmartSlice 8 x digital inputs, 24 VDC, PNP | 111.00 | 4547648325653 |
| 239859 | GRT1-ML2 | SmartSlice communication adaptor for Mechatrolink II, connects up to 64 GRT1 I/O units (End plate to be ordered separately) | 407.10 | 4547648446198 |
| 212287 | GRT1-OD4 | SmartSlice 4 x digital outputs 0.5 A, 24 VDC, NPN | 79.90 | 4547648219358 |
| 212288 | GRT1-OD4-1 | SmartSlice 4 x digital outputs 0.5 A, 24 VDC, PNP | 79.90 | 4547648219365 |
| 230602 | GRT1-OD4G-1 | SmartSlice 4 x digital outputs 0.5 A, 24 VDC, PNP, with overcurrent and short-circuit protection | 98.85 | 4547648306829 |
| 246036 | GRT1-OD4G-3 | SmartSlice 4 x digital outputs 2 A, 24 VDC, PNP, with overcurrent and short-circuit protection | 98.85 | 4547648487306 |
| 235174 | GRT1-OD8 | SmartSlice 8 x digital outputs 0.5 A, 24 VDC, NPN | 117.00 | 4547648325660 |
| 235175 | GRT1-OD8-1 | SmartSlice 8 x digital outputs 0.5 A, 24 VDC, PNP | 117.00 | 4547648325677 |
| 235176 | GRT1-OD8G-1 | SmartSlice 8 x digital outputs 0.5 A, 24 VDC, PNP, with overcurrent and short-circuit protection | 131.70 | 4547648325684 |
| 235179 | GRT1-PC8 | SmartSlice I/O power connection module, 8 x V and 4 x G terminals | 45.62 | 4547648325714 |
| 235180 | GRT1-PC8-1 | SmartSlice I/O power feed module, 24 VDC input, 4 x V and 8 x G terminals | 45.62 | 4547648325721 |
| 212291 | GRT1-PD2 | SmartSlice I/O power feed module, 24 VDC input | 45.62 | 4547648219396 |
| 235178 | GRT1-PD8-1 | SmartSlice I/O power connection module, 4 x V and 8 x G terminals | 45.62 | 4547648325707 |
| 258404 | GRT1-PNT | SmartSlice communication adaptor for PROFINET IO, connects up to 63 GRT1 I/O units (End plate to be ordered separately) | 712.50 | 4547648476591 |
| 230167 | GRT1-PRT | SmartSlice communication adaptor for PROFIBUS DPV1, connects up to 64 GRT1 I/O units (End plate to be ordered separately) | 471.20 | 4547648192071 |
| 212289 | GRT1-ROS2 | SmartSlice 2 x relay output, normally open, 2 A, 250 VAC / 24 VDC | 93.50 | 4547648219372 |
| 238319 | GRT1-TS2P | SmartSlice 2 x RTD temperature sensor inputs, Pt100 | 366.60 | 4547648446211 |
| 246039 | GRT1-TS2T | SmartSlice 2 x thermocouple inputs | 366.60 | 4547648511315 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 212294 | GCN2-100 | SmartSlice turn-back cable (1 m) | 51.65 | 4547648219426 |
| 231594 | GRT1-BT1-5 | SmartSlice I/O connectors, set of 5 pcs. (12 points, screwless) | 70.05 | 4547648325868 |
| 212290 | GRT1-END | SmartSlice end plate | 35.50 | 4547648219389 |
| 258405 | GRT1-END-M | SmartSlice end plate with PROFINET memory | 143.10 | 4547648476607 |
| 212293 | GRT1-TBL | SmartSlice left-side turn-back unit | 93.50 | 4547648219419 |
| 212292 | GRT1-TBR | SmartSlice right-side turn-back unit | 45.62 | 4547648219402 |

The next generation of Machine Interface



An HMI that is dynamic, intuitive and predictive makes industrial machines more attractive and competitive. Our Sysmac HMI enables faster, more efficient control and monitoring—and a more natural, proactive relationship between operator and machine.

- Complete functionality scalable with widescreen across 7", 9", 12", 15" range
- Available in black or silver
- High resolution (1280 × 800 pixel for 12" and 15", 800 × 480 pixel for 7" and 9")

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 392729 | NA5-12W101B | Touch screen HMI, 12.1 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Black | 3,821.00 | 4548583505926 |
| 392728 | NA5-12W101S | Touch screen HMI, 12.1 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Silver | 3,821.00 | 4548583505919 |
| 392731 | NA5-15W101B | Touch screen HMI, 15.4 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Black | 4,156.00 | 4548583505940 |
| 392730 | NA5-15W101S | Touch screen HMI, 15.4 inch wide screen, TFT LCD, 24bit color, 1280x800 resolution, frame color: Silver | 4,156.00 | 4548583505933 |
| 392725 | NA5-7W001B | Touch screen HMI, 7 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Black | 1,859.00 | 4548583505889 |
| 392724 | NA5-7W001S | Touch screen HMI, 7 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Silver | 1,859.00 | 4548583505872 |
| 392727 | NA5-9W001B | Touch screen HMI, 9 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Black | 2,810.00 | 4548583505902 |
| 392726 | NA5-9W001S | Touch screen HMI, 9 inch wide screen, TFT LCD, 24bit color, 800x480 resolution, frame color: Silver | 2,810.00 | 4548583505896 |



One-touch machine management

The NS-series is our advanced HMI series that covers a large range from 5.7" Mono-chrome STN to 15" TFT. Easily programmed it offers advanced features like, multiple communication possibilities, good synergy with our PLC's and other devices with Ladder monitor, Smart Active Parts and proven reliability.

- Perfect clarity and fast switching screens
- Extremely long backlight life (up to 50,000 hours)
- Support all European languages, Asian and Cyrillic
- Easy data logging on compact flash
- Large Memory size (60 MB)
- Support for several non-Omron PLC's

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 209581 | NS10-TV00B-V2 | Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case | 3,630.00 | 4547648212021 |
| 209580 | NS10-TV00-V2 | Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case | 3,630.00 | 4547648212014 |
| 209583 | NS10-TV01B-V2 | Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case | 4,033.00 | 4547648212045 |
| 209582 | NS10-TV01-V2 | Touch screen HMI, 10.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case | 4,033.00 | 4547648212038 |
| 204266 | NS12-TS00B-V2 | Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 800x600 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case | 4,437.00 | 4547648211987 |
| 204265 | NS12-TS00-V2 | Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 800x600 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case | 4,437.00 | 4547648211970 |
| 204268 | NS12-TS01B-V2 | Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 800x600 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case | 4,843.00 | 4547648212007 |
| 204267 | NS12-TS01-V2 | Touch screen HMI, 12.1 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 800x600 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case | 4,843.00 | 4547648211994 |
| 304977 | NS15-TX01B-V2 | Touch screen HMI, 15 inch XGA, TFT, 256 colors, 1024x768 pixels, 1 x RS-232C & 1 x RS422 ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, black case | 5,300.00 | 4547648741231 |
| 258566 | NS15-TX01S-V2 | Touch screen HMI, 15 inch XGA, TFT, 256 colors, 1024x768 pixels, 1 x RS-232C & 1 x RS422 ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, silver case | 5,460.00 | 4547648624244 |
| 209577 | NS8-TV00B-V2 | Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case | 2,653.00 | 4547648212069 |
| 209576 | NS8-TV00-V2 | Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case | 2,653.00 | 4547648212052 |
| 209579 | NS8-TV01B-V2 | Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, black case | 2,989.00 | 4547648212083 |
| 209578 | NS8-TV01-V2 | Touch screen HMI, 8.4 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 640x480 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 60MByte memory, 24 VDC, beige case | 2,989.00 | 4547648212076 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 113736 | NS12-KBA04 | Anti-reflective sheets for NS10/12 HMI, pack of 5 | 145.90 | 4536854712241 |
| 304978 | NS15-KBA05N | Protective cover (transparent) for NS15 HMI | 359.80 | 4547648741248 |

5.7 inch TFT screen



The smallest NS HMI is available in two brightness variations, both with a vivid color TFT touchscreen. It is equipped with a USB connection for project download/upload and the possibility to communicate over Ethernet. One great advantage with the NS is that you can make use of Omron unique Smart Active Parts (SAP) that save you time when configuring, commissioning and maintaining your machine. SAP are pre-programmed, pre-tested visualisation objects with embedded communication code, bringing 'drag and drop' simplicity to HMI design.

- Perfect clarity and fast switching screens
- Extremely long backlight life (up to 75,000 hours)
- Support all European languages, Asian and Cyrillic
- Easy data logging on compact flash
- Large Memory size (60MB)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 250153 | NS5-SQ10B-V2 | Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case | 1,685.00 | 4547648587617 |
| 250152 | NS5-SQ10-V2 | Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case | 1,685.00 | 4547648587594 |
| 250155 | NS5-SQ11B-V2 | Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case | 1,931.00 | 4547648587648 |
| 250154 | NS5-SQ11-V2 | Touch screen HMI, 5.7 inch, TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case | 1,931.00 | 4547648587631 |
| 250157 | NS5-TQ10B-V2 | Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, black case | 1,951.00 | 4547648587679 |
| 250156 | NS5-TQ10-V2 | Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, 60MByte memory, 24 VDC, beige case | 1,951.00 | 4547648587655 |
| 250159 | NS5-TQ11B-V2 | Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, black case | 2,139.00 | 4547648587709 |
| 250158 | NS5-TQ11-V2 | Touch screen HMI, 5.7 inch, high-brightness TFT, 256 colors (32,768 colors for .BMP/.JPG), 320x240 pixels, 2 x RS-232C ports, Ethernet (10/100 Base-T), 24 VDC, 60MByte memory, 24 VDC, beige case | 2,139.00 | 4547648587693 |

**NS5 Handheld, suited for use in harsh conditions**

The NS series has evolved into a mobile format. Based on the standard 5.7" TFT color version, we can offer a handheld version of the NS series. Offering 10 Function keys for most used functions and with a protection degree of IP65 it is the product to use in harsh environment where freedom of movement is needed.

- Re-use projects of non-mobile NS products
- 10 Function keys, 4 hardwired for inching
- Emergency switch on front plus enable switch on back of unit
- Well protected against water, IP65
- Compact Flash, Serial and USB interface

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 250160 | NSH5-SQR10B | Handheld programmable terminal (HMI / touch screen), 5.7 inch, STN, 256 colors (4,096 colors for BMP/JPG), 320x240 pixels, 60MByte memory, 24 VDC, requires NSH5 special cable, black case(Red Switch Emergency) | 2,183.00 | 4547648587716 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 226939 | NSH5-232UL-10M | NSH5 cable, 10 m (RS-232C communications, 24 VDC, function key + E-stop + enabling switch wires) | 705.00 | 4547648269582 |
| 213204 | NSH5-ATT02 | NSH5 wall mounting bracket | 62.40 | 4547648217170 |

Scalable HMI accessories**Scalable HMI**

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 113738 | NS-AL002 | RS-232C-RS422/485 adapter (500 m, not isolated) for NS HMI | 166.70 | 4536854712234 |
| 180451 | NS-CA002 | RGB and Video option board, 2 channels video input (NTSC/PAL), 1 channel analog RGB, for NS8/10/12 HMI | 818.00 | 4547648126977 |



The feature-rich, cost-effective HMI

The combination of high quality and rich features add up to give outstanding value for an HMI in the economy class. The NB-Designer software to create your HMI application is free of charge and can be downloaded from our website.

- More than 65,000 display colors TFT touch screen
- Available in sizes ranging from 3.5 to 10 inches
- Long-life LED backlight
- Serial, USB or Ethernet communication
- USB memory stick support (TW01 model only)
- 128 MB internal memory
- Vector and bitmap graphics

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 392035 | NB10W-TW01B | Touch screen HMI, 10.1 inch WVGA (800 x 480 pixel), TFT color, Ethernet + USB Host | 1,594.00 | 4548583501881 |
| 392036 | NB3Q-TW00B | Touch screen HMI, 3.5 inch QVGA (320 x 240 pixel), TFT color | 422.70 | 4548583501805 |
| 392037 | NB3Q-TW01B | Touch screen HMI, 3.5 inch QVGA (320 x 240 pixel), TFT color, Ethernet + USB Host | 542.50 | 4548583501812 |
| 392038 | NB5Q-TW00B | Touch screen HMI, 5.6 inch QVGA (320 x 234 pixel), TFT color | 518.50 | 4548583501836 |
| 392039 | NB5Q-TW01B | Touch screen HMI, 5.6 inch QVGA (320 x 234 pixel), TFT color, Ethernet + USB Host | 637.00 | 4548583501850 |
| 392040 | NB7W-TW00B | Touch screen HMI, 7 inch WVGA (800 x 480 pixel), TFT color | 654.00 | 4548583501867 |
| 392041 | NB7W-TW01B | Touch screen HMI, 7 inch WVGA (800 x 480 pixel), TFT color, Ethernet + USB Host | 812.00 | 4548583501874 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 371955 | NB10W-KBA04 | Accessory HMI, protective sheets for NB10W (5 sheets) | 60.40 | 4548583313880 |
| 371958 | NB3Q-KBA04 | Accessory HMI, protective sheets for NB3Q (5 sheets) | 21.62 | 4548583313873 |
| 364950 | NB5Q-KBA04 | Accessory HMI, protective sheets for NB5Q (5 sheets) | 23.87 | 4548583108073 |
| 364953 | NB7W-KBA04 | Protective sheets for NB7W (5 sheets) | 39.61 | 4548583108097 |

I/O cables

I/O cables and terminal blocks

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 377665 | XW2Z-0050FF-L | I/O connection cable, unshielded, MIL40 to MIL40, 0.5 m | 22.41 | 4548583449145 |
| 377666 | XW2Z-0100FF-L | I/O connection cable, unshielded, MIL40 to MIL40, 1 m | 32.62 | 4548583449152 |
| 377622 | XW2Z-0200BN-L | I/O connection cable, unshielded, FCN40 to open ends, 2 m | 66.80 | 4548583448711 |
| 377675 | XW2Z-0300FN-L | I/O connection cable, unshielded, MIL40 to open ends, 3 m | 34.45 | 4548583449244 |
| 107459 | XW2Z-050B | I/O connection cable, FCN40 to MIL40, 0.5 m | 57.45 | 4536854230479 |
| 107454 | XW2Z-100A | I/O connection cable, FCN24 to MIL20, 1 m | 59.75 | 4536854230370 |
| 107457 | XW2Z-100B | I/O connection cable, FCN40 to MIL40, 1 m | 81.50 | 4536854230448 |
| 107448 | XW2Z-100K | I/O connection cable, MIL40 to MIL40, 1 m | 52.15 | 4536854792908 |
| 107460 | XW2Z-150B | I/O connection cable, FCN40 to MIL40, 1.5 m | 62.95 | 4536854230523 |
| 107449 | XW2Z-150K | I/O connection cable, MIL40 to MIL40, 1.5 m | 62.95 | 4536854792915 |
| 151789 | XW2Z-200B | I/O connection cable, FCN40 to MIL40, 2 m | 91.65 | 4536854230455 |
| 107451 | XW2Z-200K | I/O connection cable, MIL40 to MIL40, 2 m | 68.70 | 4536854792939 |
| 107458 | XW2Z-300B | I/O connection cable, FCN40 to MIL40, 3 m | 98.00 | 4536854230462 |
| 107450 | XW2Z-300K | I/O connection cable, MIL40 to MIL40, 3 m | 92.65 | 4536854792922 |
| 150731 | XW2Z-500B | I/O connection cable, FCN40 to MIL40, 5 m | 116.60 | 4536854230486 |
| 103604 | XW2Z-500K | I/O connection cable, MIL40 to MIL40, 5 m | 103.00 | 4536854792946 |

I/O terminal blocks

I/O cables and terminal blocks

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 154108 | XW2B-20G4 | General-purpose I/O terminal block, MIL20 socket, screw clamp, 20 points | 56.55 | 4536854229503 |
| 152948 | XW2B-20G5 | General-purpose I/O terminal block, MIL20 socket, M3.5 screws, 20 points | 50.45 | 4536854229541 |
| 107557 | XW2B-34G4 | General-purpose I/O terminal block, MIL34 socket, screw clamp, 34 points | 77.95 | 4536854229510 |
| 156303 | XW2B-40G4 | General-purpose I/O terminal block, MIL40 socket, screw clamp, 40 points | 91.95 | 4536854229527 |
| 150730 | XW2B-40G5 | General-purpose I/O terminal block, MIL40 socket, M3.5 screws, 40 points | 85.65 | 4536854229565 |
| 105351 | XW2B-50G4 | General-purpose I/O terminal block, MIL50 socket, screw clamp, 50 points | 82.45 | 4536854229534 |
| 143060 | XW2B-50G5 | General-purpose I/O terminal block, MIL50 socket, M3.5 screws, 50 points | 99.30 | 4536854229572 |
| 180645 | XW2G-40G7 | DIN-rail mounting input terminal block for CJ1W-CTL41-E, MIL40 socket, screwless terminals (use with XW2Z-xxxK cable) | 104.70 | 4547648089852 |

Serial communication cables

Serial communication cables

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 147534 | XW2Z-200S-CV | Cable, RS-232C, for programming PLC or HMI 9-pin port from PC 9-pin port, 2 m | 95.55 | 4536854488191 |
| 149609 | XW2Z-200S-V | Cable, RS-232C, for programming PLC or HMI 9-pin port from PC 9-pin port, 2 m | 91.00 | 4536854230660 |
| 105353 | XW2Z-200T | Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 2 m | 88.85 | 4536854230226 |
| 155978 | XW2Z-500T | Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 5 m | 88.30 | 4536854230233 |
| 659674 | XW2Z-S002-NL | RS-232C communication cable between PC and PLC/HMI, 2 m | 40.10 | 4548583954366 |

Ethernet cables

Ethernet cables and accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 375716 | XS5W-T421-CM2-K | Ethernet Cat.5 cable, PVC, M12 straight plug / M12 straight plug, 1 m | 45.90 | 4548583003781 |
| 375724 | XS5W-T421-CMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 1 m | 51.85 | 4548583003873 |
| 357509 | XS5W-T421-CMD-K | Ethernet Cat.5 cable, PVC, RJ45 plug / RJ45 plug, 1 m | 119.60 | 4547648843904 |
| 375712 | XS5W-T421-DMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 2 m | 58.80 | 4547648832212 |
| 375725 | XS5W-T421-EMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 3 m | 66.00 | 4548583003880 |
| 375719 | XS5W-T421-GM2-K | Ethernet Cat.5 cable, PVC, M12 straight plug / M12 straight plug, 5 m | 80.85 | 4548583003828 |
| 375713 | XS5W-T421-GMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 5 m | 78.90 | 4547648832229 |
| 671207 | XS5W-T421-GMC-SS | EtherCAT cable, improved shield, M12 straight plug / RJ45 plug, 5 m | 141.90 | 4548583869325 |
| 375726 | XS5W-T421-JMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 10 m | 114.20 | 4548583003897 |
| 375714 | XS5W-T421-KMC-K | Ethernet Cat.5 cable, PVC, M12 straight plug / RJ45 plug, 15 m | 139.40 | 4547648832236 |
| 374597 | XS6W-5PUR8SS1000CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 10 m | 61.40 | 4548583378797 |
| 374591 | XS6W-5PUR8SS100CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 1 m | 14.86 | 4548583378735 |
| 374598 | XS6W-5PUR8SS1500CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 15 m | 87.80 | 4548583378803 |
| 374599 | XS6W-5PUR8SS2000CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 20 m | 114.20 | 4548583378810 |
| 374593 | XS6W-5PUR8SS200CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 2 m | 20.12 | 4548583378759 |
| 374594 | XS6W-5PUR8SS300CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 3 m | 25.22 | 4548583378766 |
| 374595 | XS6W-5PUR8SS500CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 5 m | 35.37 | 4548583378773 |
| 374590 | XS6W-5PUR8SS50CM-G | Ethernet patch cable, S/FTP, Cat.5, PUR (Green), 0.5 m | 12.26 | 4548583378728 |
| 374609 | XS6W-6LSZH8SS1000CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 10 m | 36.80 | 4548583378674 |
| 374621 | XS6W-6LSZH8SS1000CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 10 m | 36.80 | 4548583378551 |
| 374587 | XS6W-6LSZH8SS1000CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 10 m | 36.80 | 4548583378438 |
| 374603 | XS6W-6LSZH8SS100CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 1 m | 8.91 | 4548583378612 |
| 374615 | XS6W-6LSZH8SS100CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 1 m | 8.91 | 4548583378490 |
| 374581 | XS6W-6LSZH8SS100CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 1 m | 8.91 | 4548583378360 |
| 374610 | XS6W-6LSZH8SS1500CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 15 m | 52.30 | 4548583378681 |
| 374622 | XS6W-6LSZH8SS1500CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 15 m | 52.30 | 4548583378568 |
| 374588 | XS6W-6LSZH8SS1500CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 15 m | 52.30 | 4548583378445 |
| 374582 | XS6W-6LSZH8SS150CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 1.5 m | 10.43 | 4548583378384 |
| 374611 | XS6W-6LSZH8SS2000CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 20 m | 67.55 | 4548583378698 |
| 374623 | XS6W-6LSZH8SS2000CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 20 m | 67.55 | 4548583378575 |
| 374589 | XS6W-6LSZH8SS2000CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 20 m | 67.55 | 4548583378452 |
| 374605 | XS6W-6LSZH8SS200CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 2 m | 12.00 | 4548583378636 |
| 374583 | XS6W-6LSZH8SS200CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 2 m | 12.00 | 4548583378391 |
| 374578 | XS6W-6LSZH8SS20CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.2 m | 6.66 | 4548583378322 |
| 374606 | XS6W-6LSZH8SS300CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 3 m | 15.07 | 4548583378643 |
| 374618 | XS6W-6LSZH8SS300CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 3 m | 15.07 | 4548583378520 |
| 374584 | XS6W-6LSZH8SS300CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 3 m | 15.07 | 4548583378407 |
| 374601 | XS6W-6LSZH8SS30CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.3 m | 6.90 | 4548583378599 |
| 374613 | XS6W-6LSZH8SS30CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 0.3 m | 6.90 | 4548583378476 |
| 374579 | XS6W-6LSZH8SS30CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.3 m | 7.03 | 4548583378339 |
| 374607 | XS6W-6LSZH8SS500CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 5 m | 21.25 | 4548583378650 |
| 374585 | XS6W-6LSZH8SS500CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 5 m | 21.25 | 4548583378414 |
| 374602 | XS6W-6LSZH8SS500CM-B | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.5 m | 7.35 | 4548583378605 |
| 374614 | XS6W-6LSZH8SS500CM-G | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Green), 0.5 m | 7.35 | 4548583378483 |
| 374580 | XS6W-6LSZH8SS500CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.5 m | 7.35 | 4548583378346 |
| 374586 | XS6W-6LSZH8SS750CM-Y | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 7.5 m | 29.07 | 4548583378421 |

Accessories

Ethernet cables and accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 355830 | GX-JC03 | 3-port EtherCAT Junction module, 24 VDC power supply | 230.20 | 4548583075375 |
| 355831 | GX-JC06 | 6-port EtherCAT Junction module, 24 VDC power supply | 422.50 | 4548583075382 |
| 274904 | W4S1-03B | 3-port basic ethernet switch | 208.40 | 4547648602952 |
| 274905 | W4S1-05B | 5-port basic ethernet switch | 331.30 | 4547648603027 |
| 274906 | W4S1-05C | 5-port enhanced ethernet switch | 395.20 | 4547648603041 |
| 357515 | XS6G-T421-1 | RJ45 connector assembly (For AWG22 to AWG24) | 38.31 | 4548583002180 |

CK3E Programmable Multi Axis Controller



- 32, 16 or 8 axes motion control
- Up to 250 µs cycle time
- Compatible with standard G-Code functions
- Save space & wiring thanks to compact design
- CAD/CAM for easy motion control
- EtherCAT for flexible configuration

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 672538 | CK3E-1210 | Programmable Multi-Axis Controller µPower PMAC, 8 axes | 3,149.00 | 4548583870987 |
| 672537 | CK3E-1310 | Programmable Multi-Axis Controller µPower PMAC, 16 axes | 4,572.00 | 4548583870994 |
| 672536 | CK3E-1410 | Programmable Multi-Axis Controller µPower PMAC, 32 axes | 7,230.00 | 4548583871007 |

1S Drives

Servo drives



Sysmac general purpose servo

Ratings: 230 VAC from 50 W to 1.5 kW, 400 VAC from 400 W to 15 kW

- 23-bit resolution encoder
- Fast and secure screw-less push-in in all connectors
- Pluggable connectors for easy pre-wiring and system maintenance
- Direct wiring of I/O signals
- Embedded relay for direct motor brake control
- Improved loop control for overshoot and quick setting time
- Safety function built-in: Network Safe Torque Off: PLd (EN ISO 13849-1), SIL2 (IEC 61508)
- Hardwired Safe Torque Off: PLe (EN ISO 13849-1), SIL3 (IEC 61508)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 670725 | R88D-1SN01H-ECT | 1S servo drive, EtherCAT type, 100 W, 1~ 230 VAC | 747.50 | 4548583789166 |
| 670719 | R88D-1SN02H-ECT | 1S servo drive, EtherCAT type, 200 W, 1~ 230 VAC | 920.50 | 4548583789173 |
| 670727 | R88D-1SN04H-ECT | 1S servo drive, EtherCAT type, 400 W, 1~ 230 VAC | 980.00 | 4548583789180 |
| 670720 | R88D-1SN06F-ECT | 1S servo drive, EtherCAT type, 600 W, 3~ 400 VAC | 1,005.00 | 4548583789241 |
| 670726 | R88D-1SN08H-ECT | 1S servo drive, EtherCAT type, 800 W, 1~ 230 VAC | 999.00 | 4548583789197 |
| 670723 | R88D-1SN10F-ECT | 1S servo drive, EtherCAT type, 1 kW, 3~ 400 VAC | 1,075.00 | 4548583789258 |
| 670721 | R88D-1SN15F-ECT | 1S servo drive, EtherCAT type, 1.5 kW, 3~ 400 VAC | 1,117.00 | 4548583789265 |
| 670724 | R88D-1SN15H-ECT | 1S servo drive, EtherCAT type, 1.5 kW, 1~ 230 VAC | 1,456.00 | 4548583789210 |
| 670728 | R88D-1SN20F-ECT | 1S servo drive, EtherCAT type, 2 kW, 3~ 400 VAC | 1,357.00 | 4548583789272 |
| 670722 | R88D-1SN30F-ECT | 1S servo drive, EtherCAT type, 3 kW, 3~ 400 VAC | 1,482.00 | 4548583789289 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 670528 | R88A-F1S103-SE | 1S Servo RFI filter; 230 VAC single-phase, for 100 and 200 W drives | 64.15 | 4548583971677 |
| 670529 | R88A-F1S105-SE | 1S Servo RFI filter; 230 VAC single-phase, for 400 W drives | 68.75 | 4548583971684 |
| 670527 | R88A-F1S108-SE | 1S Servo RFI filter; 230 VAC single-phase, for 800 W drives | 73.30 | 4548583971660 |
| 670531 | R88A-F1S116-SE | 1S Servo RFI filter; 230 VAC single-phase, for 1.5 kW drives | 93.20 | 4548583971707 |
| 670530 | R88A-F1S309-SE | 1S Servo RFI filter; 400 VAC, for 600 W to 3 kW drives | 97.80 | 4548583971691 |
| 675088 | R88A-SC011S-E | 1S series cable clamp A. Used in 230 V drives up to 750 W | 9.04 | 4548583996397 |
| 675089 | R88A-SC021S-E | 1S series cable clamp B. Used in 400 V drives and 230 V (from 1.5 kW to 3 kW) | 10.04 | 4548583996403 |

At the heart of every great machine



Accurax G5 gives you that extra edge to build faster, accurate, smaller and safer machines. You will gain almost 25% in motor weight reduction and 50% cabinet space saving. You will achieve sub micron precision and ms settling time.

- EtherCAT, MECHATROLINK-II and Analog/Pulse drive models
- Frequency response of 2kHz
- Safety conforming to ISO13849-1 (PL d)
- High accuracy provided by 20 bit encoder
- Drive Programming: embedded indexer functionality in the Analogue/Pulse models
- Advanced vibration suppression
- Full closed loop encoder built-in
- Double registration input provides application versatility
- Rotary motors from 50 W up to 15 kW
- Ironless and iron-core linear motor types

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 352679 | R88D-KN01H-ECT | G5 Series servo drive, EtherCAT type, 100 W, 1~200 VAC | 1,470.00 | 4548583021310 |
| 285539 | R88D-KN01H-ML2 | Accurax G5 servo drive, 1~200 VAC, MECHATROLINK II type, 100 W | 1,589.00 | 4547648651561 |
| 352680 | R88D-KN02H-ECT | G5 Series servo drive, EtherCAT type, 200 W, 1~200 VAC | 1,730.00 | 4548583021327 |
| 285540 | R88D-KN02H-ML2 | Accurax G5 servo drive, 1~200 VAC, MECHATROLINK II type, 200 W | 1,798.00 | 4547648651578 |
| 352681 | R88D-KN04H-ECT | G5 Series servo drive, EtherCAT type, 400 W, 1~200 VAC | 1,813.00 | 4548583021334 |
| 285541 | R88D-KN04H-ML2 | Accurax G5 servo drive, 1~200 VAC, MECHATROLINK II type, 400 W | 1,883.00 | 4547648651585 |
| 352685 | R88D-KN06F-ECT | G5 Series servo drive, EtherCAT type, 600 W, 3~400 VAC | 1,997.00 | 4548583021426 |
| 285545 | R88D-KN06F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 600 W | 2,061.00 | 4547648651653 |
| 352682 | R88D-KN08H-ECT | G5 Series servo drive, EtherCAT type, 750 W, 1~200 VAC | 1,994.00 | 4548583021341 |
| 285542 | R88D-KN08H-ML2 | Accurax G5 servo drive, 1~200 VAC, MECHATROLINK II type, 750 W | 2,067.00 | 4547648651592 |
| 352686 | R88D-KN10F-ECT | G5 Series servo drive, EtherCAT type, 1000 W, 3~400 VAC | 2,082.00 | 4548583021433 |
| 285546 | R88D-KN10F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 1.0 kW | 2,160.00 | 4547648651660 |
| 352683 | R88D-KN10H-ECT | G5 Series servo drive, EtherCAT type, 1000 W, 1~200 VAC | 2,383.00 | 4548583021358 |
| 353422 | R88D-KN150F-ECT | G5 Series servo drive, EtherCAT type, 15 kW, 3~400 VAC | 8,170.00 | 4548583021495 |
| 352687 | R88D-KN15F-ECT | G5 Series servo drive, EtherCAT type, 1500 W, 3~400 VAC | 2,122.00 | 4548583021440 |
| 285547 | R88D-KN15F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 1.5 kW | 2,169.00 | 4547648651677 |
| 352684 | R88D-KN15H-ECT | G5 Series servo drive, EtherCAT type, 1500 W, 1~200 VAC | 2,471.00 | 4548583021365 |
| 285544 | R88D-KN15H-ML2 | Accurax G5 servo drive, 1~200 VAC, MECHATROLINK II type, 1.5 kW | 2,731.00 | 4547648651615 |
| 352688 | R88D-KN20F-ECT | G5 Series servo drive, EtherCAT type, 2 kW, 3~400 VAC | 2,286.00 | 4548583021457 |
| 285548 | R88D-KN20F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 2.0 kW | 2,419.00 | 4547648651684 |
| 352689 | R88D-KN30F-ECT | G5 Series servo drive, EtherCAT type, 3 kW, 3~400 VAC | 2,430.00 | 4548583021464 |
| 285549 | R88D-KN30F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 3.0 kW | 2,574.00 | 4547648651691 |
| 352690 | R88D-KN50F-ECT | G5 Series servo drive, EtherCAT type, 5 kW, 3~400 VAC | 3,235.00 | 4548583021471 |
| 285550 | R88D-KN50F-ML2 | Accurax G5 servo drive, 3~400 VAC, MECHATROLINK II type, 5.0 kW | 3,544.00 | 4547648651707 |
| 353421 | R88D-KN75F-ECT | G5 Series servo drive, EtherCAT type, 7.5 kW, 3~400 VAC | 5,115.00 | 4548583021488 |
| 285527 | R88D-KT01H | Accurax G5 servo drive, 1~200 VAC, analog/pulse type, 100 W | 1,077.00 | 4547648651370 |
| 285528 | R88D-KT02H | Accurax G5 servo drive, 1~200 VAC, analog/pulse type, 200 W | 1,267.00 | 4547648651387 |
| 285529 | R88D-KT04H | Accurax G5 servo drive, 1~200 VAC, analog/pulse type, 400 W | 1,347.00 | 4547648651394 |
| 285533 | R88D-KT06F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 600 W | 1,509.00 | 4547648651462 |
| 285530 | R88D-KT08H | Accurax G5 servo drive, 1~200 VAC, analog/pulse type, 750 W | 1,532.00 | 4547648651400 |
| 285534 | R88D-KT10F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 1.0 kW | 1,604.00 | 4547648651479 |
| 352678 | R88D-KT150F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 15 kW | 7,125.00 | 4548583016262 |
| 285535 | R88D-KT15F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 1.5 kW | 1,610.00 | 4547648651486 |
| 285532 | R88D-KT15H | Accurax G5 servo drive, 1~200 VAC, analog/pulse type, 1.5 kW | 2,117.00 | 4547648651424 |
| 285536 | R88D-KT20F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 2.0 kW | 1,833.00 | 4547648651493 |
| 285537 | R88D-KT30F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 3.0 kW | 1,985.00 | 4547648651509 |
| 285538 | R88D-KT50F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 5.0 kW | 2,864.00 | 4547648651516 |
| 352677 | R88D-KT75F | Accurax G5 servo drive, 3~400 VAC, analog/pulse type, 7.5 kW | 5,260.00 | 4548583016255 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 283802 | R88A-FIK102-RE | G/G5 series RFI filter; 2.4 A, 250 VAC, for 100 and 200 W models | 54.10 | 4547648865876 |
| 283803 | R88A-FIK104-RE | G/G5 series RFI filter; 4.1 A, 250 VAC, for 400 W models | 55.25 | 4547648865883 |
| 283804 | R88A-FIK107-RE | G/G5 series RFI filter; 6.6 A, 250 VAC, for 750 W models | 62.75 | 4547648865890 |
| 283805 | R88A-FIK114-RE | G/G5 series RFI filter; 14.2 A, 250 VAC, for 1.0 and 1.5 kW models | 79.10 | 4547648865906 |
| 303857 | R88A-FIK304-RE | G5 series RFI filter; 4 A, 400 VAC, for 600 to 1.5 kW models | 81.15 | 4547648870887 |
| 303858 | R88A-FIK306-RE | G5 series RFI filter; 6 A, 400 VAC, for 2.0 kW models | 86.30 | 4547648870894 |
| 303859 | R88A-FIK312-RE | G5 series RFI filter; 12 A, 400 VAC, for 3.0 to 5.0 kW models | 119.20 | 4547648870900 |
| 357083 | R88A-FIK330-RE | G5 series RFI filter; 30 A, 400 VAC, for 7.5 kW models | 183.20 | 4547648926270 |
| 357843 | R88A-FIK350-RE | G5 series RFI filter; 50 A, 400 VAC, for 15 kW models | 278.20 | 4547648927581 |

Compact in size big in features

The G-series servo drive with built-in MECHATROLINK-II significantly reduces wiring and set-up time, while saving up to 30% of cabinet space. So you not only save on space, wiring and installation time, but also significantly reduce the chance of connection errors.

- MECHATROLINK-II and Analogue/Pulse servo drives models
- High-response frequency of 1 kHz
- Auto-tuning for easy and quick start-up
- Vibration suppression
- Positioning, speed or torque control
- Separate power and control power supply
- Fast and accurate positioning
- Incremental and absolute encoder

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 285522 | R88D-GN01H-ML2 | G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 100 W | 1,221.00 | 4547648493284 |
| 285523 | R88D-GN02H-ML2 | G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 200 W | 1,253.00 | 4547648493291 |
| 285524 | R88D-GN04H-ML2 | G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 400 W | 1,271.00 | 4547648493307 |
| 285525 | R88D-GN08H-ML2 | G-Series servo drive, 1~ 200 VAC, MECHATROLINK II integrated, 750 W | 1,562.00 | 4547648493314 |
| 346799 | R88D-GT01H | G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 100 W | 1,162.00 | 4547648475266 |
| 346800 | R88D-GT02H | G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 200 W | 1,238.00 | 4547648475273 |
| 346801 | R88D-GT04H | G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 400 W | 1,162.00 | 4547648475280 |
| 346802 | R88D-GT08H | G-Series servo drive, 1~ 200 VAC, Analog/Pulse input type, 800 W | 1,330.00 | 4547648475297 |

SmartStep 2 Drives

Servo drives

The right step forward...

The new SmartStep offers an ideal solution for point-to-point motion applications where simplicity is essential. SmartStep 2 keeps things simple whilst combining high performance and advanced features in a cost effective solution.

- Ultra-compact size. The footprint is only 48% compared to the previous SmartStep
- Vibration suppression
- Adaptive resonance suppression filter
- Feedback pulse output
- On-line Auto-tuning and Easy set up
- Electronic gear, four internal speed settings and wide range of pulse settings
- Two torque limits
- Position control via pulse input 500 kpps
- Configuration and commissioning using CX-Drive software

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 285887 | R7D-BP01H | SmartStep 2 servo drive, pulse input type, 100 W, 1~ 200 VAC | 809.00 | 4547648475181 |
| 285888 | R7D-BP02HH | SmartStep 2 servo drive, pulse input type, 200 W, 1-phase 200 VAC | 828.00 | 4547648475204 |
| 285889 | R7D-BP04H | SmartStep 2 servo drive, pulse input type, 400 W, 1~ 200 VAC | 860.00 | 4547648475211 |
| 285526 | R88D-GP08H | G-Series Servo Drive, Pulse input type, 800 W, 1~ 200 VAC | 1,144.00 | 4547648728911 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 298303 | R7A-CLB002S2 | Power supply cable (CNA), 2m | 28.94 | 4547648868822 |
| 283801 | R7A-FIB104-RE | SmartStep 2 RFI filter (Rasmi), 1~ 200 VAC, 4 A (100 W, 200 W, 400 W) | 55.25 | 4547648865869 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 678728 | R88A-CMK001S | Analog monitor cable, 1 m | 25.16 | 4549734927963 |
| 678723 | R88A-CNU01C | Servo control I/O connector | 35.21 | 4549734927918 |
| 678729 | R88A-CN01C | G5 Servo I/O connector kit for CN1, network type drives only | 37.81 | 4549734927970 |
| 349414 | R88A-CPKB001S-E | General purpose I/O cable (CN1)for G5 EtherCAT driver, 1m | 111.90 | 4547648891851 |
| 349415 | R88A-CPKB002S-E | General purpose I/O cable (CN1)for G5 EtherCAT driver, 2m | 124.80 | 4547648891868 |
| 292066 | R88A-RR080100S | Servo accessory, resistor 80 W, 100 ohm | 77.60 | 4547648512688 |
| 292065 | R88A-RR08050S | Servo accessory, resistor 80 W, 50 ohm | 77.60 | 4547648512671 |
| 357773 | R88A-RR22047S1 | Servo accessory, resistor 220 W, 47 ohm | 82.25 | 4547648803557 |
| 292062 | R88A-RR50020S | Servo accessory, resistor 500 W, 20 ohm | 298.10 | 4547648560306 |
| 107563 | XW2B-20J6-1B | Servo Relay Unit, 1 axis. For CS1W-NC113/133, CJ1W-NC113/133, C200HW-NC113 and C200H-NC112 (Doesn't support communications functions) | 123.20 | 4536854229695 |
| 149077 | XW2B-20J6-8A | Servo Relay Unit, 1 axis (Does not support communications functions) | 162.20 | 4536854871849 |
| 107564 | XW2B-40J6-2B | Servo Relay Unit, 2 axis. For CS1W-NC213/233/413/433, CJ1W-NC213/233/413/433, C200HW-NC213/413, C500-NC113/211 and C200H-NC211 (Doesn't support communications functions) | 165.50 | 4536854229718 |
| 107567 | XW2B-40J6-9A | Servo Relay Unit, 2 axis (Does not support communications functions) | 192.00 | 4536854871856 |
| 107526 | XW2Z-100J-A14 | Servo control cable for CS1W-NC113, 1 m | 129.60 | 4536854778162 |
| 107528 | XW2Z-100J-A15 | Servo control cable for CS1W-NC213/413, 1 m | 200.20 | 4536854778186 |
| 281447 | XW2Z-100J-A33 | Cable: Pulse I/O Modules to Servo Relay Unit, 1 m (SmartStep2, G, G5) | 139.40 | 4547648521086 |
| 294103 | XW2Z-100J-B24 | General Purpose servo terminal block cable, 1 m | 228.40 | 4547648520881 |
| 294105 | XW2Z-100J-B25 | Servo control cable for CS1W/CJ1W/C200HW-NCx13, 1 m | 153.70 | 4547648520904 |
| 292069 | XW2Z-100J-B29 | I/O connection cable, CJ1W-NC113/213/413 to terminal block, 1 m | 194.60 | 4547648520997 |
| 294107 | XW2Z-100J-B31 | Cable: Servo Relay Unit to Servo driver, 1 m (G, G5) | 153.70 | 4547648521031 |
| 292071 | XW2Z-100J-B32 | Cable: Servo Relay Unit to Servo driver, 1 m (SmartStep 2) | 157.40 | 4547648521055 |
| 323497 | XW2Z-100J-B34 | G5 series, terminal block cable, for CN1 connector, use with XW2B-20G_ terminal blocks, 1 m | 128.70 | 4547648737951 |
| 323498 | XW2Z-200J-B34 | G5 series terminal block cable, for CN1 connector, use with XW2B-20G_ terminal blocks, 2 m | 138.00 | 4547648737968 |

Simplified machine design and maintenance



Ratings: 230 VAC from 50 W to 1.5 kW, 400 VAC from 400 W to 15 kW

- 23-bit resolution encoder
- Compact and small motor size
- Multi-turn encoder design without mechanics: 16-bit, 65536 turns
- Battery-free absolute multi-turn encoder or incremental encoder
- Pre-assembled motor cables
- Designed for easy EMC compliance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 672247 | R88M-1L1K030C-BS2 | 1S AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, absolute encoder, with brake | 1,743.00 | 4548583789890 |
| 672248 | R88M-1L1K030C-S2 | 1S AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, absolute encoder | 1,486.00 | 4548583789739 |
| 672245 | R88M-1L1K030T-BS2 | 1S AC servo motor, 1 kW, 230 VAC, 3000 rpm, 3.18 Nm, absolute encoder, with brake | 1,750.00 | 4548583789845 |
| 672254 | R88M-1L1K030T-S2 | 1S AC servo motor, 1 kW, 230 VAC, 3000 rpm, 3.18 Nm, absolute encoder | 1,448.00 | 4548583789685 |
| 672249 | R88M-1L1K530C-BS2 | 1S AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, absolute encoder, with brake | 1,896.00 | 4548583789906 |
| 672250 | R88M-1L1K530C-S2 | 1S AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, absolute encoder | 1,521.00 | 4548583789746 |
| 672246 | R88M-1L1K530T-BS2 | 1S AC servo motor, 1.5 kW, 230 VAC, 3000 rpm, 4.77 Nm, absolute encoder, with brake | 2,017.00 | 4548583789852 |
| 672255 | R88M-1L1K530T-S2 | 1S AC servo motor, 1.5 kW, 230 VAC, 3000 rpm, 4.77 Nm, absolute encoder | 1,642.00 | 4548583789692 |
| 672244 | R88M-1L2K030C-BS2 | 1S AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, absolute encoder, with brake | 2,256.00 | 4548583789913 |
| 672257 | R88M-1L2K030C-S2 | 1S AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, absolute encoder | 1,875.00 | 4548583789753 |
| 672251 | R88M-1L3K030C-BS2 | 1S AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, absolute encoder, with brake | 2,526.00 | 4548583789920 |
| 672252 | R88M-1L3K030C-S2 | 1S AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, absolute encoder | 2,148.00 | 4548583789760 |
| 672253 | R88M-1L75030C-BS2 | 1S AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, absolute encoder, with brake | 1,728.00 | 4548583789883 |
| 672256 | R88M-1L75030C-S2 | 1S AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, absolute encoder | 1,414.00 | 4548583789722 |
| 681576 | R88M-1M10030H-BS2 | 1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, incremental encoder, with brake | 829.00 | 4549734172394 |
| 681572 | R88M-1M10030H-S2 | 1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, incremental encoder | 602.00 | 4549734172387 |
| 670732 | R88M-1M10030T-BS2 | 1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, absolute encoder, with brake | 1,036.00 | 4548583789807 |
| 670742 | R88M-1M10030T-S2 | 1S AC servo motor, 100 W, 230 VAC, 3000 rpm, 0.318 Nm, absolute encoder | 752.00 | 4548583789647 |
| 679973 | R88M-1M1K020C-BS2 | 1S AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, absolute encoder, with brake | 1,455.00 | 4549734165204 |
| 679958 | R88M-1M1K020C-S2 | 1S AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, absolute encoder | 1,034.00 | 4549734165105 |
| 679985 | R88M-1M1K520C-BS2 | 1S AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, absolute encoder, with brake | 1,548.00 | 4549734165211 |
| 679978 | R88M-1M1K520C-S2 | 1S AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, absolute encoder | 1,309.00 | 4549734165112 |
| 679979 | R88M-1M1K520T-S2 | 1S AC servo motor, 1.5 kW, 230 VAC, 2000 rpm, 7.16 Nm, absolute encoder | 1,292.00 | 4549734165051 |
| 681570 | R88M-1M20030H-BS2 | 1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, incremental encoder, with brake | 882.00 | 4549734172417 |
| 681565 | R88M-1M20030H-S2 | 1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, incremental encoder | 646.00 | 4549734172400 |
| 670746 | R88M-1M20030T-BS2 | 1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, absolute encoder, with brake | 1,104.00 | 4548583789814 |
| 670733 | R88M-1M20030T-S2 | 1S AC servo motor, 200 W, 230 VAC, 3000 rpm, 0.637 Nm, absolute encoder | 807.00 | 4548583789654 |
| 680412 | R88M-1M2K010C-BS2 | 1S AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, absolute encoder, with brake | 2,531.00 | 4549734165860 |
| 680268 | R88M-1M2K010C-S2 | 1S AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, absolute encoder | 2,061.00 | 4549734165808 |
| 679953 | R88M-1M2K020C-BS2 | 1S AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, absolute encoder, with brake | 1,719.00 | 4549734165228 |
| 679952 | R88M-1M2K020C-S2 | 1S AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, absolute encoder | 1,408.00 | 4549734165129 |
| 679950 | R88M-1M3K010C-BS2 | 1S AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.65 Nm, absolute encoder, with brake | 3,016.00 | 4549734165877 |
| 679975 | R88M-1M3K010C-S2 | 1S AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.65 Nm, absolute encoder | 2,584.00 | 4549734165815 |
| 679972 | R88M-1M3K020C-BS2 | 1S AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.32 Nm, absolute encoder, with brake | 2,125.00 | 4549734165235 |
| 679984 | R88M-1M3K020C-S2 | 1S AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.32 Nm, absolute encoder | 1,669.00 | 4549734165136 |
| 681595 | R88M-1M40020C-BS2 | 1S AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, absolute encoder, with brake | 1,341.00 | 4549734165181 |
| 681597 | R88M-1M40020C-S2 | 1S AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, absolute encoder | 960.00 | 4549734165082 |
| 681566 | R88M-1M40030H-BS2 | 1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, incremental encoder, with brake | 1,015.00 | 4549734172431 |
| 681571 | R88M-1M40030H-S2 | 1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, incremental encoder | 756.00 | 4549734172424 |
| 670749 | R88M-1M40030T-BS2 | 1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, absolute encoder, with brake | 1,269.00 | 4548583789821 |
| 670755 | R88M-1M40030T-S2 | 1S AC servo motor, 400 W, 230 VAC, 3000 rpm, 1.27 Nm, absolute encoder | 944.00 | 4548583789661 |
| 681596 | R88M-1M60020C-BS2 | 1S AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, absolute encoder, with brake | 1,395.00 | 4549734165198 |
| 681594 | R88M-1M60020C-S2 | 1S AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, absolute encoder | 1,004.00 | 4549734165099 |
| 681563 | R88M-1M75030H-BS2 | 1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, incremental encoder, with brake | 1,172.00 | 4549734172455 |
| 681561 | R88M-1M75030H-S2 | 1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, incremental encoder | 881.50 | 4549734172448 |
| 670759 | R88M-1M75030T-BS2 | 1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, absolute encoder, with brake | 1,462.00 | 4548583789838 |
| 670744 | R88M-1M75030T-S2 | 1S AC servo motor, 750 W, 230 VAC, 3000 rpm, 2.39 Nm, absolute encoder | 1,102.00 | 4548583789678 |
| 679980 | R88M-1M90010C-S2 | 1S AC servo motor, 900 W, 400 VAC, 1000 rpm, 8.59 Nm, absolute encoder | 1,357.00 | 4549734165792 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 670638 | R88A-CA1A001-5BF-E | 1S series servo brake cable, 1.5 m, 230 V: 100 to 750 W | 91.65 | 4548583972629 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 670658 | R88A-CA1A001-5SF-E | 1S series servo motor power cable, 1.5 m, 230 V: 100 to 750 W | 140.50 | 4548583972827 |
| 670632 | R88A-CA1A003BF-E | 1S series servo brake cable, 3 m, 230 V: 100 to 750 W | 97.80 | 4548583972568 |
| 670671 | R88A-CA1A003SF-E | 1S series servo motor power cable, 3 m, 230 V: 100 to 750 W | 143.80 | 4548583972957 |
| 670637 | R88A-CA1A005BF-E | 1S series servo brake cable, 5 m, 230 V: 100 to 750 W | 100.90 | 4548583972612 |
| 670672 | R88A-CA1A005SF-E | 1S series servo motor power cable, 5 m, 230 V: 100 to 750 W | 149.80 | 4548583972964 |
| 670634 | R88A-CA1A010BF-E | 1S series servo brake cable, 10 m, 230 V: 100 to 750 W | 116.20 | 4548583972582 |
| 670676 | R88A-CA1A010SF-E | 1S series servo motor power cable, 10 m, 230 V: 100 to 750 W | 171.30 | 4548583973008 |
| 670633 | R88A-CA1A015BF-E | 1S series servo brake cable, 15 m, 230 V: 100 to 750 W | 133.00 | 4548583972575 |
| 670643 | R88A-CA1A015SF-E | 1S series servo motor power cable, 15 m, 230 V: 100 to 750 W | 213.90 | 4548583972674 |
| 670635 | R88A-CA1A020BF-E | 1S series servo brake cable, 20 m, 230 V: 100 to 750 W | 146.60 | 4548583972599 |
| 670653 | R88A-CA1A020SF-E | 1S series servo motor power cable, 20 m, 230 V: 100 to 750 W | 241.50 | 4548583972773 |
| 670655 | R88A-CA1A030SF-E | 1S series servo motor power cable, 30 m, 230 V: 100 to 750 W | 293.20 | 4548583972797 |
| 670664 | R88A-CA1C001-5SF-E | 1S series servo motor power cable, 1.5 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 140.50 | 4548583972889 |
| 670683 | R88A-CA1C003SF-E | 1S series servo motor power cable, 3 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 146.60 | 4548583973077 |
| 670645 | R88A-CA1C005BF-E | 1S series servo motor power cable, 5 m, with brake, 230 V: 900 W to 1.5 kW | 226.40 | 4548583972698 |
| 670640 | R88A-CA1C005SF-E | 1S series servo motor power cable, 5 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 162.00 | 4548583972643 |
| 670668 | R88A-CA1C010BF-E | 1S series servo motor power cable, 10 m, with brake, 230 V: 900 W to 1.5 kW | 275.10 | 4548583972926 |
| 670659 | R88A-CA1C010SF-E | 1S series servo motor power cable, 10 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 192.60 | 4548583972834 |
| 670679 | R88A-CA1C015SF-E | 1S series servo motor power cable, 15 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 229.30 | 4548583973039 |
| 670641 | R88A-CA1C020SF-E | 1S series servo motor power cable, 20 m, non braked, 230 V: 900 W to 1.5 kW, 400 V: 400 W to 1.5 kW & 2 kW (2000 & 3000 rpm) | 348.50 | 4548583972650 |
| 670639 | R88A-CA1E003BF-E | 1S series servo motor power cable, 3 m, with brake, 400 V: 400 W to 3 kW | 238.70 | 4548583972636 |
| 670648 | R88A-CA1E003SF-E | 1S series servo motor power cable, 3 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW | 177.50 | 4548583972728 |
| 670660 | R88A-CA1E005BF-E | 1S series servo motor power cable, 5 m, with brake, 400 V: 400 W to 3 kW | 265.90 | 4548583972841 |
| 670674 | R88A-CA1E005SF-E | 1S series servo motor power cable, 5 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW | 192.60 | 4548583972988 |
| 670678 | R88A-CA1E010BF-E | 1S series servo motor power cable, 10 m, with brake, 400 V: 400 W to 3 kW | 330.20 | 4548583973022 |
| 670642 | R88A-CA1E010SF-E | 1S series servo motor power cable, 10 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW | 247.70 | 4548583972667 |
| 670666 | R88A-CA1E015BF-E | 1S series servo motor power cable, 15 m, with brake, 400 V: 400 W to 3 kW | 409.40 | 4548583972902 |
| 670644 | R88A-CA1E015SF-E | 1S series servo motor power cable, 15 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW | 305.70 | 4548583972681 |
| 670662 | R88A-CA1E020BF-E | 1S series servo motor power cable, 20 m, with brake, 400 V: 400 W to 3 kW | 476.80 | 4548583972865 |
| 670680 | R88A-CA1E020SF-E | 1S series servo motor power cable, 20 m, non braked, 400 V: 2 kW (1000 rpm) & 3 kW | 387.80 | 4548583973046 |
| 670682 | R88A-CA1E030BF-E | 1S series servo motor power cable, 30 m, with brake, 400 V: 400 W to 3 kW | 638.50 | 4548583973060 |
| 674155 | R88A-CN101A | 1S motor connector (CNC) for 230 V, 0.1 to 1 kW | 89.55 | 4548583859623 |
| 673346 | R88A-CN101R | 1S connector for encoder cable (drive side) | 49.15 | 4548583789098 |
| 674151 | R88A-CN102P | 1S main circuit connector (CNA) for 230 V, 0.1 to 1 kW | 125.90 | 4548583859593 |
| 673344 | R88A-CN111A | 1S connector for power cable (motor side); for 100-750 W, 230 V motors | 55.90 | 4548583789111 |
| 670619 | R88A-CR1A001-5CF-E | 1S series servo encoder cable, 1.5m, 230V: 50-750W | 98.20 | 4548583972438 |
| 670612 | R88A-CR1A003CF-E | 1S series servo encoder cable, 3m, 230V: 50-750W | 103.10 | 4548583972360 |
| 670623 | R88A-CR1A005CF-E | 1S series servo encoder cable, 5m, 230V: 50-750W | 110.20 | 4548583972476 |
| 670620 | R88A-CR1A010CF-E | 1S series servo encoder cable, 10m, 230V: 50-750W | 128.10 | 4548583972445 |
| 670624 | R88A-CR1A015CF-E | 1S series servo encoder cable, 15m, 230V: 50-750W | 149.80 | 4548583972483 |
| 670613 | R88A-CR1A020CF-E | 1S series servo encoder cable, 20m, 230V: 50-750W | 183.50 | 4548583972377 |
| 670615 | R88A-CR1A030CF-E | 1S series servo encoder cable, 30m, 230V: 50-750W | 244.70 | 4548583972391 |
| 670621 | R88A-CR1B001-5NF-E | 1S series servo encoder cable, 1.5m, 230V: 900W-1.5kW, 400V: 400W-15kW | 119.30 | 4548583972452 |
| 670616 | R88A-CR1B003NF-E | 1S series servo encoder cable, 3m, 230V: 900W-1.5kW, 400V: 400W-15kW | 122.30 | 4548583972407 |
| 670618 | R88A-CR1B005NF-E | 1S series servo encoder cable, 5m, 230V: 900W-1.5kW, 400V: 400W-15kW | 128.30 | 4548583972421 |
| 670622 | R88A-CR1B010NF-E | 1S series servo encoder cable, 10m, 230V: 900W-1.5kW, 400V: 400W-15kW | 152.90 | 4548583972469 |
| 670625 | R88A-CR1B015NF-E | 1S series servo encoder cable, 15m, 230V: 900W-1.5kW, 400V: 400W-15kW | 174.30 | 4548583972490 |
| 670626 | R88A-CR1B020NF-E | 1S series servo encoder cable, 20m, 230V: 900W-1.5kW, 400V: 400W-15kW | 213.90 | 4548583972506 |
| 670629 | R88A-CR1B030NF-E | 1S series servo encoder cable, 30m, 230V: 900W-1.5kW, 400V: 400W-15kW | 284.20 | 4548583972537 |

At the heart of every great machine



Accurax G5 servomotors include IP67 protection and connectors on the motor body. Use of 10 pole motors and 20 bit encoder results in 40% reduction in motor cogging. The servomotors are 25% lighter and 15% smaller due to patented new stator design PAC-Clamp, 40% iron loss reduction and 15% smaller encoder.

- Sizes from 50W to 15 kW, rated speeds of 1000 rpm, 1500 rpm, 2000 rpm and 3000 rpm
- Peak torque 300% of continuous torque during 3 seconds or more depending on model
- High accuracy provided by a 20 bit resolution encoder, ABS encoder as an option
- IP67 protection in all motor models
- Low speed ripple and low torque ripple due to low torque cogging
- Compact design and robust construction including smart connectors
- No motor settings required, just plug and run

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 285551 | R88M-K05030H-S2 | G5 series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, Incremental encoder | 610.00 | 4547648652964 |
| 322939 | R88M-K05030T-S2 | G5 series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, Absolute encoder | 900.50 | 4547648654647 |
| 285566 | R88M-K10030H-BS2 | G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Incremental encoder, with brake | 1,002.00 | 4547648653183 |
| 285552 | R88M-K10030H-S2 | G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Incremental encoder | 635.50 | 4547648652971 |
| 322954 | R88M-K10030T-BS2 | G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Absolute encoder, with brake | 1,276.00 | 4547648654869 |
| 322940 | R88M-K10030T-S2 | G5 series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, Absolute encoder | 933.00 | 4547648654654 |
| 352743 | R88M-K11K015C-S2 | G5 series AC servo motor, 11 kW, 400 VAC, 1500 rpm, 70 Nm, Absolute encoder | 6,265.00 | 4548583016590 |
| 352691 | R88M-K15K015C-BOS2 | G5 series AC servo motor, 15 kW, 400 VAC, 1500 rpm, 95.9 Nm, Absolute encoder, with brake, with oil seal | 7,715.00 | 4548583017207 |
| 352697 | R88M-K15K015C-S2 | G5 series AC servo motor, 15 kW, 400 VAC, 1500 rpm, 95.9 Nm, Absolute encoder | 7,125.00 | 4548583016606 |
| 322971 | R88M-K1K020C-S2 | G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Absolute encoder | 1,111.00 | 4547648657211 |
| 285592 | R88M-K1K020F-BS2 | G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Incremental encoder, with brake | 1,361.00 | 4547648656238 |
| 285582 | R88M-K1K020F-S2 | G5 series AC servo motor, 1 kW, 400 VAC, 2000 rpm, 4.77 Nm, Incremental encoder | 907.50 | 4547648656092 |
| 285588 | R88M-K1K020H-BS2 | G5 series AC servo motor, 1 kW, 200 VAC, 2000 rpm, 4.77 Nm, Incremental encoder, with brake | 1,161.00 | 4547648656153 |
| 285578 | R88M-K1K020H-S2 | G5 series AC servo motor, 1 kW, 200 VAC, 2000 rpm, 4.77 Nm, Incremental encoder | 865.00 | 4547648656016 |
| 322961 | R88M-K1K030C-BS2 | G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Absolute encoder, with brake | 1,973.00 | 4547648654975 |
| 322947 | R88M-K1K030C-S2 | G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Absolute encoder | 1,558.00 | 4547648654760 |
| 285572 | R88M-K1K030F-BS2 | G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Incremental encoder, with brake | 1,669.00 | 4547648653299 |
| 285559 | R88M-K1K030F-S2 | G5 series AC servo motor, 1 kW, 400 VAC, 3000 rpm, 3.18 Nm, Incremental encoder | 1,284.00 | 4547648653084 |
| 285556 | R88M-K1K030H-S2 | G5 series AC servo motor, 1 kW, 200 VAC, 3000 rpm, 3.18 Nm, Incremental encoder | 1,232.00 | 4547648653015 |
| 322982 | R88M-K1K520C-BS2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Absolute encoder, with brake | 1,747.00 | 4547648657365 |
| 322972 | R88M-K1K520C-S2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Absolute encoder | 1,301.00 | 4547648657228 |
| 285593 | R88M-K1K520F-BS2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Incremental encoder, with brake | 1,431.00 | 4547648656245 |
| 285583 | R88M-K1K520F-S2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 2000 rpm, 7.16 Nm, Incremental encoder | 1,030.00 | 4547648656108 |
| 285589 | R88M-K1K520H-BS2 | G5 series AC servo motor, 1.5 kW, 200 VAC, 2000 rpm, 7.16 Nm, Incremental encoder, with brake | 1,369.00 | 4547648656160 |
| 285579 | R88M-K1K520H-S2 | G5 series AC servo motor, 1.5 kW, 200 VAC, 2000 rpm, 7.16 Nm, Incremental encoder | 1,036.00 | 4547648656023 |
| 322962 | R88M-K1K530C-BS2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Absolute encoder, with brake | 2,210.00 | 4547648654982 |
| 322948 | R88M-K1K530C-S2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Absolute encoder | 1,725.00 | 4547648654777 |
| 285573 | R88M-K1K530F-BS2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Incremental encoder, with brake | 1,926.00 | 4547648653305 |
| 285560 | R88M-K1K530F-S2 | G5 series AC servo motor, 1.5 kW, 400 VAC, 3000 rpm, 4.77 Nm, Incremental encoder | 1,498.00 | 4547648653091 |
| 285570 | R88M-K1K530H-BS2 | G5 series AC servo motor, 1.5 kW, 200 VAC, 3000 rpm, 4.77 Nm, Incremental encoder, with brake | 1,936.00 | 4547648653237 |
| 285557 | R88M-K1K530H-S2 | G5 series AC servo motor, 1.5 kW, 200 VAC, 3000 rpm, 4.77 Nm, Incremental encoder | 1,488.00 | 4547648653022 |
| 285567 | R88M-K20030H-BS2 | G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Incremental encoder, with brake | 1,102.00 | 4547648653190 |
| 285553 | R88M-K20030H-S2 | G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Incremental encoder | 739.50 | 4547648652988 |
| 322955 | R88M-K20030T-BS2 | G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Absolute encoder, with brake | 1,383.00 | 4547648654876 |
| 322941 | R88M-K20030T-S2 | G5 series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, Absolute encoder | 1,004.00 | 4547648654661 |
| 285600 | R88M-K2K010F-S2 | G5 series AC servo motor, 2 kW, 400 VAC, 1000 rpm, 19.1 Nm, Incremental encoder | 1,836.00 | 4547648657976 |
| 322983 | R88M-K2K020C-BS2 | G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Absolute encoder, with brake | 1,958.00 | 4547648657372 |
| 322973 | R88M-K2K020C-S2 | G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Absolute encoder | 1,524.00 | 4547648657235 |
| 285594 | R88M-K2K020F-BS2 | G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Incremental encoder, with brake | 1,687.00 | 4547648656252 |
| 285584 | R88M-K2K020F-S2 | G5 series AC servo motor, 2 kW, 400 VAC, 2000 rpm, 9.55 Nm, Incremental encoder | 1,192.00 | 4547648656115 |
| 322963 | R88M-K2K030C-BS2 | G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Absolute encoder, with brake | 2,439.00 | 4547648654999 |
| 322949 | R88M-K2K030C-S2 | G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Absolute encoder | 1,959.00 | 4547648654784 |
| 285574 | R88M-K2K030F-BS2 | G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Incremental encoder, with brake | 2,179.00 | 4547648653312 |
| 285561 | R88M-K2K030F-S2 | G5 series AC servo motor, 2 kW, 400 VAC, 3000 rpm, 6.37 Nm, Incremental encoder | 1,663.00 | 4547648653107 |
| 285601 | R88M-K3K010F-S2 | G5 series AC servo motor, 3 kW, 400 VAC, 1000 rpm, 28.7 Nm, Incremental encoder | 2,416.00 | 4547648657983 |
| 322984 | R88M-K3K020C-BS2 | G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Absolute encoder, with brake | 2,270.00 | 4547648657389 |
| 322974 | R88M-K3K020C-S2 | G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Absolute encoder | 1,863.00 | 4547648657242 |
| 285595 | R88M-K3K020F-BS2 | G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Incremental encoder, with brake | 1,991.00 | 4547648656269 |
| 285585 | R88M-K3K020F-S2 | G5 series AC servo motor, 3 kW, 400 VAC, 2000 rpm, 14.3 Nm, Incremental encoder | 1,492.00 | 4547648656122 |
| 322964 | R88M-K3K030C-BS2 | G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Absolute encoder, with brake | 2,951.00 | 4547648655002 |
| 322950 | R88M-K3K030C-S2 | G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Absolute encoder | 2,235.00 | 4547648654791 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 285575 | R88M-K3K030F-BS2 | G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Incremental encoder, with brake | 2,673.00 | 4547648653329 |
| 285562 | R88M-K3K030F-S2 | G5 series AC servo motor, 3 kW, 400 VAC, 3000 rpm, 9.55 Nm, Incremental encoder | 1,942.00 | 4547648653114 |
| 322969 | R88M-K40020C-S2 | G5 series AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, Absolute encoder | 1,008.00 | 4547648657198 |
| 285580 | R88M-K40020F-S2 | G5 series AC servo motor, 400 W, 400 VAC, 2000 rpm, 1.91 Nm, Incremental encoder | 730.00 | 4547648656078 |
| 285568 | R88M-K40030H-BS2 | G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Incremental encoder, with brake | 1,258.00 | 4547648653206 |
| 285554 | R88M-K40030H-S2 | G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Incremental encoder | 837.00 | 4547648652995 |
| 322956 | R88M-K40030T-BS2 | G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Absolute encoder, with brake | 1,522.00 | 4547648654883 |
| 322942 | R88M-K40030T-S2 | G5 series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, Absolute encoder | 1,110.00 | 4547648654678 |
| 285596 | R88M-K4K020F-BS2 | G5 series AC servo motor, 4 kW, 400 VAC, 2000 rpm, 19.1 Nm, Incremental encoder, with brake | 2,363.00 | 4547648656276 |
| 285586 | R88M-K4K020F-S2 | G5 series AC servo motor, 4 kW, 400 VAC, 2000 rpm, 19.1 Nm, Incremental encoder | 1,892.00 | 4547648656139 |
| 322965 | R88M-K4K030C-BS2 | G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Absolute encoder, with brake | 3,646.00 | 4547648655019 |
| 285576 | R88M-K4K030F-BS2 | G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Incremental encoder, with brake | 3,329.00 | 4547648653336 |
| 285563 | R88M-K4K030F-S2 | G5 series AC servo motor, 4 kW, 400 VAC, 3000 rpm, 12.7 Nm, Incremental encoder | 2,567.00 | 4547648653121 |
| 373213 | R88M-K4K510C-BOS2 | G5 series AC servo motor, 4.5 kW, 400 VAC, 1000 rpm, 43 Nm, Absolute encoder, with brake, with oil seal | 3,637.00 | 4548583017160 |
| 356385 | R88M-K4K510C-S2 | G5 series AC servo motor, 4.5 kW, 400 VAC, 1000 rpm, 43 Nm, Absolute encoder | 3,670.00 | 4548583016569 |
| 322986 | R88M-K5K020C-BS2 | G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Absolute encoder, with brake | 2,919.00 | 4547648657402 |
| 322976 | R88M-K5K020C-S2 | G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Absolute encoder | 2,580.00 | 4547648657266 |
| 285597 | R88M-K5K020F-BS2 | G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Incremental encoder, with brake | 2,526.00 | 4547648656283 |
| 285587 | R88M-K5K020F-S2 | G5 series AC servo motor, 5 kW, 400 VAC, 2000 rpm, 23.9 Nm, Incremental encoder | 1,991.00 | 4547648656146 |
| 322952 | R88M-K5K030C-S2 | G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Absolute encoder | 4,039.00 | 4547648654814 |
| 285577 | R88M-K5K030F-BS2 | G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Incremental encoder, with brake | 4,405.00 | 4547648653343 |
| 285564 | R88M-K5K030F-S2 | G5 series AC servo motor, 5 kW, 400 VAC, 3000 rpm, 15.9 Nm, Incremental encoder | 3,696.00 | 4547648653138 |
| 285591 | R88M-K60020F-BS2 | G5 series AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, Incremental encoder, with brake | 1,167.00 | 4547648656221 |
| 285581 | R88M-K60020F-S2 | G5 series AC servo motor, 600 W, 400 VAC, 2000 rpm, 2.86 Nm, Incremental encoder | 828.50 | 4547648656085 |
| 352701 | R88M-K6K010C-BOS2 | G5 series AC servo motor, 6 kW, 400 VAC, 1000 rpm, 57.3 Nm, Absolute encoder, with brake, with oil seal | 4,969.00 | 4548583017177 |
| 352695 | R88M-K6K010C-S2 | G5 series AC servo motor, 6 kW, 400 VAC, 1000 rpm, 57.3 Nm, Absolute encoder | 4,547.00 | 4548583016576 |
| 322960 | R88M-K75030C-BS2 | G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Absolute encoder, with brake | 1,921.00 | 4547648654968 |
| 322946 | R88M-K75030C-S2 | G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Absolute encoder | 1,599.00 | 4547648654753 |
| 285571 | R88M-K75030F-BS2 | G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Incremental encoder, with brake | 1,652.00 | 4547648653282 |
| 285558 | R88M-K75030F-S2 | G5 series AC servo motor, 750 W, 400 VAC, 3000 rpm, 2.39 Nm, Incremental encoder | 1,263.00 | 4547648653077 |
| 285569 | R88M-K75030H-BS2 | G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Incremental encoder, with brake | 1,536.00 | 4547648653213 |
| 285555 | R88M-K75030H-S2 | G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Incremental encoder | 1,056.00 | 4547648653008 |
| 322957 | R88M-K75030T-BS2 | G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Absolute encoder, with brake | 1,942.00 | 4547648654890 |
| 322943 | R88M-K75030T-S2 | G5 series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, Absolute encoder | 1,536.00 | 4547648654685 |
| 352702 | R88M-K7K515C-BOS2 | G5 series AC servo motor, 7.5 kW, 400 VAC, 1500 rpm, 47.8 Nm, Absolute encoder, with brake, with oil seal | 5,475.00 | 4548583017184 |
| 352696 | R88M-K7K515C-S2 | G5 series AC servo motor, 7.5 kW, 400 VAC, 1500 rpm, 47.8 Nm, Absolute encoder | 4,896.00 | 4548583016583 |
| 285599 | R88M-K90010F-S2 | G5 series AC servo motor, 900 W, 400 VAC, 1000 rpm, 8.59 Nm, Incremental encoder | 1,291.00 | 4547648657969 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 294081 | R88A-CAGB001-5SR-E | Servo motor power cable, 1.5 m, w/o brake, 900 W-1.5 kW | 117.80 | 4547648867979 |
| 294088 | R88A-CAGB003BR-E | Servo motor power cable, 3 m, with brake, 900 W-1.5 kW | 150.30 | 4547648868044 |
| 294082 | R88A-CAGB003SR-E | Servo motor power cable, 3 m, w/o brake, 900 W-1.5 kW | 135.50 | 4547648867986 |
| 294089 | R88A-CAGB005BR-E | Servo motor power cable, 5 m, with brake, 900 W-1.5 kW | 177.20 | 4547648868051 |
| 294083 | R88A-CAGB005SR-E | Servo motor power cable, 5 m, w/o brake, 900 W-1.5 kW | 159.10 | 4547648867993 |
| 294084 | R88A-CAGB010SR-E | Servo motor power cable, 10 m, w/o brake, 900 W-1.5 kW | 217.50 | 4547648868006 |
| 294085 | R88A-CAGB015SR-E | Servo motor power cable, 15 m, w/o brake, 900 W-1.5 kW | 275.70 | 4547648868013 |
| 294086 | R88A-CAGB020SR-E | Servo motor power cable, 20 m, w/o brake, 900 W-1.5 kW | 335.20 | 4547648868020 |
| 347177 | R88A-CAGB030SR-E | Servo motor power cable, 30 m, w/o brake, 900 W to 1.5 kW | 481.10 | 4547648889933 |
| 298292 | R88A-CAGD003BR-E | G5 series servo motor power cable, 3 m, with brake, 3 to 5 kW | 226.40 | 4547648868723 |
| 298280 | R88A-CAGD003SR-E | G5 series servo motor power cable, 3 m, w/o brake, 3-5 kW | 147.90 | 4547648868600 |
| 298293 | R88A-CAGD005BR-E | G5 series servo motor power cable, 5 m, with brake, 3 to 5 kW | 264.40 | 4547648868730 |
| 298281 | R88A-CAGD005SR-E | G5 series servo motor power cable, 5 m, w/o brake, 3-5 kW | 173.00 | 4547648868617 |
| 298294 | R88A-CAGD010BR-E | G5 series servo motor power cable, 10 m, with brake, 3 to 5 kW | 361.80 | 4547648868747 |
| 298282 | R88A-CAGD010SR-E | G5 series servo motor power cable, 10 m, w/o brake, 3-5 kW | 246.70 | 4547648868624 |
| 301013 | R88A-CAGD015BR-E | G5 series servo motor power cable, 15 m, with brake, 3 to 5 kW | 454.50 | 4547648869584 |
| 298283 | R88A-CAGD015SR-E | G5 series servo motor power cable, 15 m, w/o brake, 3-5 kW | 368.30 | 4547648868631 |
| 298296 | R88A-CAGD020BR-E | G5 series servo motor power cable, 20 m, with brake, 3 to 5 kW | 518.00 | 4547648868754 |
| 298284 | R88A-CAGD020SR-E | G5 series servo motor power cable, 20 m, w/o brake, 3-5 kW | 447.50 | 4547648868648 |
| 347167 | R88A-CAGD030SR-E | G5 series servo motor power cable, 30 m, w/o brake, 3 kW to 5 kW | 568.00 | 4547648889834 |
| 355781 | R88A-CAGE003BR-E | G5 series servo brake cable, 3 m, 6 kW - 15 kW | 121.80 | 4547648917346 |
| 355782 | R88A-CAGE005BR-E | G5 series servo brake cable, 5 m, 6 kW - 15 kW | 121.80 | 4547648917353 |
| 355783 | R88A-CAGE010BR-E | G5 series servo brake cable, 10 m, 6 kW - 15 kW | 152.10 | 4547648917360 |
| 298273 | R88A-CAKA001-5SR-E | G5 series servo motor power cable, 1.5 m, non braked, 50-750 W | 149.50 | 4547648868532 |
| 298298 | R88A-CAKA003BR-E | G5 series servo brake cable, 3m, 50-750W | 104.50 | 4547648868778 |
| 298274 | R88A-CAKA003SR-E | G5 series servo motor power cable, 3 m, non braked, 50-750 W | 161.80 | 4547648868549 |
| 298299 | R88A-CAKA005BR-E | G5 series servo brake cable, 5m, 50-750W | 110.70 | 4547648868785 |
| 298275 | R88A-CAKA005SR-E | G5 series servo motor power cable, 5 m, non braked, 50-750 W | 178.90 | 4547648868556 |
| 298300 | R88A-CAKA010BR-E | G5 series servo brake cable, 10m, 50-750W | 125.80 | 4547648868792 |
| 298276 | R88A-CAKA010SR-E | G5 series servo motor power cable, 10 m, non braked, 50-750 W | 221.20 | 4547648868563 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 298301 | R88A-CAKA015BR-E | G5 series servo brake cable, 15m, 50-750W | 141.50 | 4547648868808 |
| 298277 | R88A-CAKA015SR-E | G5 series servo motor power cable, 15 m, non braked, 50-750 W | 262.90 | 4547648868570 |
| 298302 | R88A-CAKA020BR-E | G5 series servo brake cable, 20m, 50-750W | 156.10 | 4547648868815 |
| 298278 | R88A-CAKA020SR-E | G5 series servo motor power cable, 20 m, non braked, 50-750 W | 304.80 | 4547648868587 |
| 347158 | R88A-CAKA030SR-E | G5 series servo motor power cable, 30 m, non braked, 50 to 750 W | 444.30 | 4547648889742 |
| 355770 | R88A-CAKE005SR-E | G5 series servo motor power cable, 5 m, non braked, 6 kW to 7.5 kW | 391.70 | 4547648917230 |
| 355771 | R88A-CAKE010SR-E | G5 series servo motor power cable, 10 m, non braked, 6 kW to 7.5 kW | 530.50 | 4547648917247 |
| 355772 | R88A-CAKE015SR-E | G5 series servo motor power cable, 15 m, non braked, 6 kW to 7.5 kW | 766.00 | 4547648917254 |
| 298286 | R88A-CAKF003BR-E | G5 series servo motor power cable, 3 m, braked, 750 W to 2 kW | 202.70 | 4547648868662 |
| 298287 | R88A-CAKF005BR-E | G5 series servo motor power cable, 5 m, braked, 750 W to 2 kW | 225.40 | 4547648868679 |
| 298288 | R88A-CAKF010BR-E | G5 series servo motor power cable, 10 m, braked, 750 W to 2 kW | 281.60 | 4547648868686 |
| 298289 | R88A-CAKF015BR-E | G5 series servo motor power cable, 15 m, braked, 750 W to 2 kW | 338.30 | 4547648868693 |
| 298290 | R88A-CAKF020BR-E | G5 series servo motor power cable, 20 m, braked, 750 W to 2 kW | 395.20 | 4547648868709 |
| 355777 | R88A-CAKG010SR-E | G5 series servo motor power cable, 10 m, non braked, 11 kW to 15 kW | 673.00 | 4547648917308 |
| 294101 | R88A-CNKA41L | G5 series servo external encoder connector [for CN4] | 30.52 | 4547648720489 |
| 678726 | R88A-CNKA81S | Accessory servo, G5, safety I/O signal connector (CN8) | 22.31 | 4549734927949 |
| 298261 | R88A-CRKA001-5CR-E | G5 series servo encoder cable, 1.5 m, 50 to 750 W | 94.20 | 4547648868419 |
| 298262 | R88A-CRKA003CR-E | G5 series servo encoder cable, 3 m, 50 to 50 W | 104.50 | 4547648868426 |
| 301748 | R88A-CRKA005CR-E | G5 series servo encoder cable, 5 m, 50 to 750 W | 118.80 | 4547648870184 |
| 298264 | R88A-CRKA010CR-E | G5 series servo encoder cable, 10 m, 50 to 750 W | 153.70 | 4547648868440 |
| 298265 | R88A-CRKA015CR-E | G5 series servo encoder cable, 15 m, 50 to 750 W | 189.20 | 4547648868457 |
| 298266 | R88A-CRKA020CR-E | G5 series servo encoder cable, 20 m, 50 to 750 W | 224.10 | 4547648868464 |
| 347145 | R88A-CRKA030CR-E | G5 series servo encoder cable, 30 m, 50 to 750 W | 364.80 | 4547648889612 |
| 301010 | R88A-CRKC001-5NR-E | G5 series servo encoder cable, 1.5 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 118.20 | 4547648869553 |
| 301011 | R88A-CRKC003NR-E | G5 series servo encoder cable, 3 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 128.70 | 4547648869560 |
| 298269 | R88A-CRKC005NR-E | G5 series servo encoder cable, 5 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 143.20 | 4547648868495 |
| 298270 | R88A-CRKC010NR-E | G5 series servo encoder cable, 10 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 178.30 | 4547648868501 |
| 298271 | R88A-CRKC015NR-E | G5 series servo encoder cable, 15 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 213.40 | 4547648868518 |
| 298272 | R88A-CRKC020NR-E | G5 series servo encoder cable, 20 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 249.00 | 4547648868525 |
| 341857 | R88A-CRKC030NR-E | G5 series servo encoder cable, 30 m, 200 V: 1 to 1.5 kW, 400 V: 400 W to 5 kW | 358.40 | 4547648887090 |
| 349416 | R88A-CRKM005SR-E | Accurax G5 external encoder cable for CN4, 5m | 147.10 | 4547648891875 |

Compact in size big in features



A wide range of compact servo motors to meet all application needs. When used with a SmartStep 2 drive, the G-series servo motors offer the simplicity and cost-effectiveness of a stepper with the added advantages of a servo system.

- Peak torque 300% of continuous torque during 3 seconds or more depending on model
- Servo motors supported by SmartStep2, G-Series and Accurax G5 servo drives
- Cylindrical and Flat servo motors types are available
- Encoder accuracy of 10,000 pulses incremental as standard and 17-bit absolute
- IP65 as standard and shaft oil seal available
- Motors with brake as option

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 322924 | R88M-G05030H-S2 | G-Series AC servo motor, 50 W, 200 VAC, 3000 rpm, 0.16 Nm, incremental | 363.60 | 4547648493437 |
| 285893 | R88M-G10030H-BS2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm, with brake | 613.50 | 4547648493642 |
| 285890 | R88M-G10030H-S2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm | 396.40 | 4547648493444 |
| 378071 | R88M-G10030H-S2-D | G-Series AC servo motor, 100 W, 200 VAC, 3000 rpm, 0.32 Nm, incremental, with circular connector | 451.10 | 4548583414815 |
| 285894 | R88M-G20030H-BS2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 200 W, 200 VAC, 3000 rpm, 0.64 Nm, with brake | 725.00 | 4547648493659 |
| 378066 | R88M-G20030H-BS2-D | G-Series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, incremental, Brake, with circular connector | 731.00 | 4548583415195 |
| 285891 | R88M-G20030H-S2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 200 W, 200 VAC, 3000 rpm, 0.64 Nm | 489.80 | 4547648493451 |
| 378075 | R88M-G20030H-S2-D | G-Series AC servo motor, 200 W, 200 VAC, 3000 rpm, 0.64 Nm, incremental, with circular connector | 580.50 | 4548583414853 |
| 285895 | R88M-G40030H-BS2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm, with brake | 785.50 | 4547648493666 |
| 285892 | R88M-G40030H-S2 | G-Series/SmartStep 2 AC servo motor (cylinder type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm | 530.00 | 4547648493468 |
| 378046 | R88M-G40030H-S2-D | G-Series AC servo motor, 400 W, 200 VAC, 3000 rpm, 1.3 Nm, incremental, with circular connector | 633.50 | 4548583414570 |
| 286728 | R88M-G75030H-BS2 | G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, Brake | 1,002.00 | 4547648493673 |
| 378051 | R88M-G75030H-BS2-D | G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, Brake, with circular connector | 1,094.00 | 4548583414624 |
| 286727 | R88M-G75030H-S2 | G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental | 729.50 | 4547648493475 |
| 378050 | R88M-G75030H-S2-D | G-Series AC servo motor, 750 W, 200 VAC, 3000 rpm, 2.4 Nm, incremental, with circular connector | 817.50 | 4548583414617 |
| 285896 | R88M-GP10030H-S2 | G-Series/SmartStep 2 AC servo motor (cube type), 100 W, 200 VAC, 3000 rpm, 0.32 Nm | 497.60 | 4547648496131 |
| 285898 | R88M-GP40030H-S2 | G-Series/SmartStep 2 AC servo motor (cube type), 400 W, 200 VAC, 3000 rpm, 1.3 Nm | 617.50 | 4547648496155 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 294077 | R88A-CRGA005CR-E | G-Series servo encoder cable, 5 m, absolute encoder type, 50 to 750 W | 125.40 | 4547648867931 |
| 294078 | R88A-CRGA10CR-E | G-Series servo encoder cable, 10 m, absolute encoder type, 50 to 750 W | 157.40 | 4547648867948 |
| 281397 | R88A-CRGB001-SCR-E | Servo encoder cable, 1.5 m, incremental encoder type, 50 to 750 W | 88.90 | 4547648865593 |
| 281398 | R88A-CRGB003CR-E | Servo encoder cable, 3 m, incremental encoder type, 50 to 750 W | 99.45 | 4547648865609 |
| 281399 | R88A-CRGB005CR-E | Servo encoder cable, 5 m, incremental encoder type, 50 to 750 W | 113.50 | 4547648865616 |
| 281400 | R88A-CRGB010CR-E | Servo encoder cable, 10 m, incremental encoder type, 50 to 750 W | 149.10 | 4547648865623 |
| 281401 | R88A-CRGB015CR-E | Servo encoder cable, 15 m, incremental encoder type, 50 to 750 W | 184.20 | 4547648865630 |
| 281402 | R88A-CRGB020CR-E | Servo encoder cable, 20 m, incremental encoder type, 50 to 750 W | 219.80 | 4547648865647 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 168878 | MS3108E18-10S | Military power connector IP67 for 400 V motors SGMGH (05/10/13)D, SGMSH (10/15/20)D, SGMUH (10/15)D, SGMBH fan | 59.70 | 4536853875893 |
| 168877 | MS3108E20-29S | Absolute encoder connector motor side G-Series 900-1500 W | 51.10 | 4536853875886 |
| 329420 | MS3108E20-4S | Power cable connector G5 motor side | 65.65 | 4547648880664 |
| 168879 | MS3108E22-22S | Military power connector IP67 for 400 V motors SGMGH (20/30/44)D, SGMSH (30/40/50)D, SGMUH (30/40)D | 79.60 | 4536853875909 |
| 331799 | MS3108E24-11S | Power cable connector G5 motor side | 70.00 | 4547648883078 |
| 168880 | MS3108E32-17S | Military power connector IP67 for 400 V motors SGMGH (55/75/1 A/1E)D | 107.50 | 4536853875916 |
| 281391 | R7A-CAB001-SSR-E | Power cable for SmartStep 2 motor, 1.5 m | 45.78 | 4547648865531 |
| 281392 | R7A-CAB003SR-E | Power cable for SmartStep 2 motor, 3 m | 52.15 | 4547648865548 |
| 377686 | R7A-CAB005SR-DE | SmartStep 2 power cable for 50 W to 400 W models, circular IP67 connectors, non braked, 5 m | 109.00 | 4547648963251 |
| 281393 | R7A-CAB005SR-E | Power cable for SmartStep 2 motor, 5 m | 59.70 | 4547648865555 |
| 281394 | R7A-CAB010SR-E | Power cable for SmartStep 2 motor, 10 m | 79.90 | 4547648865562 |
| 292043 | R7A-CNB01A | SmartStep 2 servo motor connector (CNB) | 11.88 | 4547648491068 |
| 292044 | R7A-CNB01P | SmartStep 2 main circuit connector (CNA) | 10.56 | 4547648491082 |
| 292045 | R88A-BAT01G | Absolute encoder backup battery | 79.30 | 4547648491105 |
| 281403 | R88A-CAGA001-5BR-E | SmartStep 2/G-Series brake cable 1.5m, 50-750 W | 41.81 | 4547648865654 |
| 294069 | R88A-CAGA001-5SR-E | SmartStep 2/G-Series power cable 1.5 m, 50-750 W | 43.47 | 4547648867856 |
| 281404 | R88A-CAGA003BR-E | SmartStep 2/G-Series brake cable 3m, 50-750 W | 46.40 | 4547648865661 |
| 294070 | R88A-CAGA003SR-E | SmartStep 2/G-Series power cable 3 m, 50-750 W | 49.38 | 4547648867863 |
| 281405 | R88A-CAGA005BR-E | SmartStep 2/G-Series brake cable 5m, 50-750 W | 52.75 | 4547648865678 |
| 294071 | R88A-CAGA005SR-E | SmartStep 2/G-Series power cable 5 m, 50-750 W | 57.75 | 4547648867870 |
| 281406 | R88A-CAGA010BR-E | SmartStep 2/G-Series brake cable 10m, 50-750 W | 68.05 | 4547648865685 |
| 294072 | R88A-CAGA010SR-E | SmartStep 2/G-Series power cable 10 m, 50-750 W | 77.55 | 4547648867887 |
| 281407 | R88A-CAGA015BR-E | SmartStep 2/G-Series brake cable 15m, 50-750 W | 83.25 | 4547648865692 |
| 294073 | R88A-CAGA015SR-E | SmartStep 2/G-Series power cable 15 m, 50-750 W | 97.45 | 4547648867894 |
| 294074 | R88A-CAGA020SR-E | SmartStep 2/G-Series power cable 20 m, 50-750 W | 117.20 | 4547648867900 |
| 139296 | R88A-CAWA003B-DE | servo motor (with brake) cable, 3 m (equivalent to DP9325253-3G) | 122.60 | 4536853863371 |
| 157422 | R88A-CAWA003S-DE | servo motor cable, 3 m (equivalent to DP9325252-3G) | 114.90 | 4536853863302 |
| 139297 | R88A-CAWA005B-DE | servo motor (with brake) cable, 5 m (equivalent to DP9325253 to 5G) | 148.60 | 4536853863395 |
| 139298 | R88A-CAWA010B-DE | servo motor (with brake) cable, 10 m (equivalent to DP9325253-10G) | 206.10 | 4536853863418 |
| 139295 | R88A-CAWA010S-DE | servo motor cable, 10 m (equivalent to DP9325252-10G) | 192.00 | 4536853863333 |
| 153730 | R88A-CAWA015B-DE | servo motor (with brake) cable, 15 m (equivalent to DP9325253-15G) | 268.00 | 4536853863425 |
| 155691 | R88A-CAWA015S-DE | servo motor cable, 15 m (equivalent to DP9325252-15G) | 259.30 | 4536853863340 |
| 146112 | R88A-CAWA020S-DE | servo motor cable, 20 m (equivalent to DP9325252-20G) | 318.70 | 4536853863364 |
| 292061 | R88A-CNG01A | Servo motor connector for servo motor power cable | 14.97 | 4547648491075 |
| 678730 | R88A-CNG02R | Servo motor connector for incremental encoder cable G-Series 50 to 750 W | 18.04 | 4549734927987 |
| 294392 | R88A-CNKO2R | Encoder cable connector, motor side, models up to 750 W | 33.52 | 4547648720434 |
| 329419 | R88A-CNKO4R-E | Encoder cable connector, motor side: R88M-K(1K0/1K5)30(H/T), -K(750/1K0/1K5/2K0/3K0/4K0/5K0)30(F/C), -K(400/600/1K0/1K5/2K0/3K0/4K0/5K0)20, -K(900/2K0/3K0)10 | 65.65 | 4547648880657 |
| 294393 | R88A-CNKO1A | Motor power cable connector, motor side, models up to 750 W | 58.75 | 4547648720458 |
| 678727 | R88A-CNU11C | Connector for CN1, control I/O [analog/ pulse model only] | 45.45 | 4549734927956 |
| 678725 | R88A-CNWO1R | Encoder cable connector [CN2], drive side, all models | 50.75 | 4549734927932 |
| 292058 | R88A-CRGD0R3C | Absolute encoder battery cable [battery not included] | 122.80 | 4547648493215 |
| 292064 | R88A-CRGD0R3C-BS | Absolute encoder battery cable [BAT01G included] | 215.30 | 4547648582780 |
| 139213 | R88A-CRWA003C-DE | servo encoder cable, 3m (equivalent to DP9325256-3G) | 165.80 | 4536853863616 |
| 139214 | R88A-CRWA005C-DE | servo encoder cable, 5m (equivalent to DP9325256-5G) | 197.70 | 4536853863630 |
| 139215 | R88A-CRWA010C-DE | servo encoder cable, 10m (equivalent to DP9325256-10G) | 235.40 | 4536853863654 |
| 139216 | R88A-CRWA015C-DE | servo encoder cable, 15m (equivalent to DP9325256-15G) | 295.50 | 4536853863661 |
| 139217 | R88A-CRWA020C-DE | servo encoder cable, 20m (equivalent to DP9325256-20G) | 344.80 | 4536853863685 |
| 137635 | SPOC-06K-FSDN169 | Motor power connector (female) for SGMAH (200 V) and SGMPH (200 V). Similar to SPUC-06K-FSDN169, but cable clamp variable from 5.5mm to 12mm | 32.60 | 4536853874124 |
| 156581 | SPOC-17H-FRON169 | Motor encoder connector (female) for SGMAH and SGMPH. Similar to SPUC-17H-FRON169, but cable clamp variable from 5.5mm to 12mm | 32.59 | 4536853874131 |
| 137636 | SRUC-06J-MSCN236 | Smart Step IP67 motor power connector, male (used by the motor) | 19.69 | 4536853874155 |
| 175766 | SRUC-17G-MRWNO87 | Smart Step IP67 motor encoder connector, male (used by the motor) | 24.91 | 4536853883942 |



New Linear Motors with optimised efficiency

Ironless motors for cogging-free and high dynamic applications. This motor family deliver unparalleled accuracy and performance benefits.

- High dynamic and precise positioning
- Excellent force-to-weight ratio ironless motors
- Weight-optimised magnet track
- Optional digital hall-sensor and connectors
- Temperature sensors included

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 354065 | R88A-CRKN001-5CR-E | Accurax G5 linear drive to serial converter cable, 1.5m | 215.40 | 4547648903417 |
| 354066 | R88A-CRKN003CR-E | Accurax G5 linear drive to serial converter cable 3m | 164.70 | 4547648903424 |
| 354067 | R88A-CRKN005CR-E | Accurax G5 linear drive to serial converter cable, 5m | 183.30 | 4547648903431 |
| 354068 | R88A-CRKN010CR-E | Accurax G5 linear drive to serial converter cable 10m | 286.50 | 4547648903448 |

Additional servo systems

Additional servo systems

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 139294 | R88A-CAWA0055-DE | servo motor cable, 5 m (equivalent to DP9325252-5G) | 141.40 | 4536853863319 |

Driving quality - Q2A tailored application drive



- Open/closed loop speed or torque control
- Embedded functional safety (STO SIL3)
- Built-in C3 class EMC filter
- Conform to EN 60721-3-3, 3S2 and 3C2
- Built-in braking transistor (up to 90 kW)
- Quick and easy setup with intuitive keypad and navigation
- Micro SD for data storage
- Real-Time Clock
- 24 VDC power supply input for control board
- Communication options: EtherCAT, EtherNet/IP, PROFINET, Modbus TCP/IP, POWERLINK
- Mobile Device connectivity (via USB or optional Bluetooth)
- Regenerative solutions as option
- CE, UL, cUL, EAC, RoHS

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 684698 | Q2A-A2010-AAA | Inverter Q2A, 200 V, ND: 9.6 A / 2.2 kW, HD: 8 A / 1.5 kW, IP20, max. output freq. 590 Hz | 1,047.00 | 4549734959322 |
| 684699 | Q2A-A2012-AAA | Inverter Q2A, 200 V, ND: 12.2 A / 3.0 kW, HD: 11 A / 2.2 kW, IP20, max. output freq. 590 Hz | 1,533.00 | 4549734959339 |
| 684700 | Q2A-A2021-AAA | Inverter Q2A, 200 V, ND: 21 A / 5.5 kW, HD: 17.5 A / 3.7 kW, IP20, max. output freq. 590 Hz | 1,605.00 | 4549734959346 |
| 684701 | Q2A-A2030-AAA | Inverter Q2A, 200 V, ND: 30 A / 7.5 kW, HD: 25 A / 5.5 kW, IP20, max. output freq. 590 Hz | 1,687.00 | 4549734959353 |
| 684702 | Q2A-A2042-AAA | Inverter Q2A, 200 V, ND: 42 A / 11 kW, HD: 33 A / 7.5 kW, IP20, max. output freq. 590 Hz | 2,033.00 | 4549734959360 |
| 684703 | Q2A-A2056-AAA | Inverter Q2A, 200 V, ND: 56 A / 15 kW, HD: 47 A / 11 kW, IP20, max. output freq. 590 Hz | 2,411.00 | 4549734959377 |
| 684704 | Q2A-A2070-AAA | Inverter Q2A, 200 V, ND: 70 A / 18.5 kW, HD: 60 A / 15 kW, IP20, max. output freq. 590 Hz | 3,820.00 | 4549734959384 |
| 684705 | Q2A-A2082-AAA | Inverter Q2A, 200 V, ND: 82 A / 22 kW, HD: 75 A / 18.5 kW, IP20, max. output freq. 590 Hz | 4,707.00 | 4549734959391 |
| 684706 | Q2A-A2110-AAA | Inverter Q2A, 200 V, ND: 110 A / 30 kW, HD: 88 A / 22 kW, IP20, max. output freq. 590 Hz | 4,651.00 | 4549734959407 |
| 684707 | Q2A-A2138-AAA | Inverter Q2A, 200 V, ND: 138 A / 37 kW, HD: 115 A / 30 kW, IP20, max. output freq. 590 Hz | 7,855.00 | 4549734959414 |
| 684708 | Q2A-A2169-AAA | Inverter Q2A, 200 V, ND: 169 A / 45 kW, HD: 145 A / 37 kW, IP20, max. output freq. 590 Hz | 9,000.00 | 4549734959421 |
| 684709 | Q2A-A2211-AAA | Inverter Q2A, 200 V, ND: 211 A / 55 kW, HD: 180 A / 45 kW, IP20, max. output freq. 590 Hz | 9,965.00 | 4549734959438 |
| 684710 | Q2A-A2257-AAA | Inverter Q2A, 200 V, ND: 257 A / 75 kW, HD: 215 A / 55 kW, IP20, max. output freq. 590 Hz | 10,600.00 | 4549734959445 |
| 684711 | Q2A-A2313-AAA | Inverter Q2A, 200 V, ND: 313 A / 90 kW, HD: 283 A / 75 kW, IP20, max. output freq. 590 Hz | 19,140.00 | 4549734959452 |
| 684696 | Q2A-A2360-AAA | Inverter Q2A, 200 V, ND: 360 A / 110 kW, HD: 346 A / 90 kW, IP20, max. output freq. 590 Hz | 21,570.00 | 4549734959308 |
| 684697 | Q2A-A2415-AAA | Inverter Q2A, 200 V, HD: 415 A / 110 kW, IP20, max. output freq. 590 Hz | 24,770.00 | 4549734959315 |
| 681122 | Q2A-A4002-AAA | Inverter Q2A, 400 V, ND: 2.1 A / 0.75 kW, HD: 1.8 A / 0.55 kW, IP20, max. output freq. 590 Hz | 815.50 | 4549734944120 |
| 681131 | Q2A-A4004-AAA | Inverter Q2A, 400 V, ND: 4.1 A / 1.50 kW, HD: 3.4 A / 0.75 kW, IP20, max. output freq. 590 Hz | 915.00 | 4549734944212 |
| 681133 | Q2A-A4005-AAA | Inverter Q2A, 400 V, ND: 5.4 A / 2.20 kW, HD: 4.8 A / 1.50 kW, IP20, max. output freq. 590 Hz | 1,019.00 | 4549734944236 |
| 681128 | Q2A-A4007-AAA | Inverter Q2A, 400 V, ND: 7.1 A / 3.00 kW, HD: 5.5 A / 2.20 kW, IP20, max. output freq. 590 Hz | 1,132.00 | 4549734944182 |
| 681117 | Q2A-A4009-AAA | Inverter Q2A, 400 V, ND: 8.9 A / 4.00 kW, HD: 7.2 A / 3.00 kW, IP20, max. output freq. 590 Hz | 1,244.00 | 4549734944076 |
| 681123 | Q2A-A4012-AAA | Inverter Q2A, 400 V, ND: 11.9 A / 5.5 kW, HD: 9.2 A / 3.70 kW, IP20, max. output freq. 590 Hz | 1,334.00 | 4549734944137 |
| 681116 | Q2A-A4018-AAA | Inverter Q2A, 400 V, ND: 17.5 A / 7.5 kW, HD: 14.8 A / 5.5 kW, IP20, max. output freq. 590 Hz | 1,645.00 | 4549734944069 |
| 681124 | Q2A-A4023-AAA | Inverter Q2A, 400 V, ND: 23.4 A / 11 kW, HD: 18 A / 7.5 kW, IP20, max. output freq. 590 Hz | 1,956.00 | 4549734944144 |
| 681125 | Q2A-A4031-AAA | Inverter Q2A, 400 V, ND: 31 A / 15 kW, HD: 24 A / 11 kW, IP20, max. output freq. 590 Hz | 2,327.00 | 4549734944151 |
| 681126 | Q2A-A4038-AAA | Inverter Q2A, 400 V, ND: 38 A / 18.5 kW, HD: 31 A / 15 kW, IP20, max. output freq. 590 Hz | 2,996.00 | 4549734944168 |
| 681127 | Q2A-A4044-AAA | Inverter Q2A, 400 V, ND: 44 A / 22 kW, HD: 39 A / 18.5 kW, IP20, max. output freq. 590 Hz | 3,525.00 | 4549734944175 |
| 681120 | Q2A-A4060-AAA | Inverter Q2A, 400 V, ND: 59.6 A / 30 kW, HD: 45 A / 22 kW, IP20, max. output freq. 590 Hz | 4,180.00 | 4549734944106 |
| 681118 | Q2A-A4075-AAA | Inverter Q2A, 400 V, ND: 74.9 A / 37 kW, HD: 60 A / 30 kW, IP20, max. output freq. 590 Hz | 4,785.00 | 4549734944083 |
| 681121 | Q2A-A4089-AAA | Inverter Q2A, 400 V, ND: 89.2 A / 45 kW, HD: 75 A / 37 kW, IP20, max. output freq. 590 Hz | 5,885.00 | 4549734944113 |
| 681115 | Q2A-A4103-AAA | Inverter Q2A, 400 V, ND: 103 A / 55 kW, HD: 91 A / 45 kW, IP20, max. output freq. 590 Hz | 6,275.00 | 4549734944052 |
| 681132 | Q2A-A4140-AAA | Inverter Q2A, 400 V, ND: 140 A / 75 kW, HD: 112 A / 55 kW, IP20, max. output freq. 590 Hz | 7,405.00 | 4549734944229 |
| 681129 | Q2A-A4168-AAA | Inverter Q2A, 400 V, ND: 168 A / 90 kW, HD: 150 A / 75 kW, IP20, max. output freq. 590 Hz | 8,935.00 | 4549734944199 |
| 681130 | Q2A-A4208-AAA | Inverter Q2A, 400 V, ND: 208 A / 110 kW, HD: 180 A / 90 kW, IP20, max. output freq. 590 Hz | 10,950.00 | 4549734944205 |
| 681114 | Q2A-A4250-AAA | Inverter Q2A, 400 V, ND: 250 A / 132 kW, HD: 216 A / 110 kW, IP20, max. output freq. 590 Hz | 11,600.00 | 4549734944045 |
| 681119 | Q2A-A4296-AAA | Inverter Q2A, 400 V, ND: 296 A / 160 kW, HD: 260 A / 132 kW, IP20, max. output freq. 590 Hz | 14,490.00 | 4549734944090 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 262489 | PG-B3 | Open collector PG interface for A1000 and Q2A inverters. A, B, Z pulse, fmax 50 kHz | 147.70 | 4547648863605 |
| 256633 | PG-X3 | Line Driver PG interface for A1000 and Q2A inverters. A, B, Z differential (RS422) input, fmax 300 kHz | 147.70 | 4547648862806 |
| 682622 | Q2-FIA4010-SE | Q2A footprint RFI filter, 10 A, 3~ 400 VAC, for 4002, 4004, 4005, 4007 models | 185.60 | 4549734949200 |
| 682631 | Q2-FIA4020-SE | Q2A footprint RFI filter, 20 A, 3~ 400 VAC, for 4009, 4012 models | 220.30 | 4549734949293 |
| 682630 | Q2-FIA4035-SE | Q2A footprint RFI filter, 35 A, 3~ 400 VAC, for 4018, 4023 models | 258.60 | 4549734949286 |
| 682629 | Q2-FIA4050-SE | Q2A footprint RFI filter, 50 A, 3~ 400 VAC, for 4031, 4038 models | 409.20 | 4549734949279 |
| 682626 | Q2-FIA4170-SE | Q2A Book end style RFI filter, 170 A, 3~ 400 VAC, for 4103, 4140, 4168 models | 1,006.00 | 4549734949248 |
| 682625 | Q2-FIA4410-SE | Q2A Busbar termination RFI filter, 410 A, 3~ 400 VAC, for 4208, 4250, 4296, 4371, 4389 models / For 4675 model, 2 units are needed | 1,096.00 | 4549734949231 |
| 682624 | Q2-FIA4600-SE | Q2A Busbar termination RFI filter, 600 A, 3~ 400 VAC, for 4453, 5468 models | 1,199.00 | 4549734949224 |

Driving quality - Q2V Compact Drive



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 246710 | A1000-FIV1010-SE | Q2V/V1000/J1000 footprint RFI filter, 10A, 200 VAC, single phase, for 0.12 to 0.55kW drives | 24.85 | 4547648855013 |
| 246711 | A1000-FIV1020-SE | Q2V/V1000/J1000 footprint RFI filter, 20A, 200 VAC, single phase, for 1.1 to 1.5kW drives | 36.14 | 4547648855020 |
| 386160 | A1000-FIV1020-SE-LL | Q2V/V1000/J1000 Low Leakage Current footprint RFI filter, 20A, 200 VAC, single phase, for 1.1 to 1.5kW drives | 41.44 | 4547648975339 |
| 246712 | A1000-FIV1030-SE | Q2V/V1000 footprint RFI filter, 30A, 200 VAC, single phase, for 2.2kW drives | 46.94 | 4547648855037 |
| 246713 | A1000-FIV1040-SE | Q2V/V1000 footprint RFI filter, 40A, 200 VAC, single phase, for 4.0kW drives | 70.65 | 4547648855044 |
| 385715 | A1000-FIV2010-SE-V1 | Q2V/V1000 footprint RFI filter, 10A, 200 VAC, three phase, for up 1.1kW drives | 91.30 | 4547648974936 |
| 246714 | A1000-FIV3005-SE | Q2V/V1000/J1000 footprint RFI filter, 5A, 400 VAC, three phase, for 0.37 to 0.55kW drives | 55.25 | 4547648855112 |
| 246715 | A1000-FIV3010-SE | Q2V/V1000/J1000 footprint RFI filter, 10A, 400 VAC, three phase, for 1.1 to 3.0kW drives | 65.40 | 4547648855129 |
| 246716 | A1000-FIV3020-SE | Q2V/V1000/J1000 footprint RFI filter, 20A, 400 VAC, three phase, 4.0kW drives | 77.50 | 4547648855136 |
| 386168 | A1000-FIV3020-SE-LL | Q2V/V1000/J1000 Low Leakage Current footprint RFI filter, 20A, 400 VAC, three phase, 4.0kW drives | 86.10 | 4547648975414 |
| 386169 | A1000-FIV3030-SE-LL | Q2V/V1000 Low Leakage Current footprint RFI filter, 30A, 400 VAC, three phase, 5,5kW and 7,5kW drives | 100.90 | 4547648975421 |
| 385718 | A1000-FIV3030-SE-V1 | Q2V/V1000 footprint RFI filter, 30A, 400 VAC, three phase, 5,5kW and 7,5kW drives. | 87.10 | 4547648974967 |
| 386170 | A1000-FIV3050-SE-LL | Q2V/V1000 Low Leakage Current footprint RFI filter, 50A, 400 VAC, three phase, 11kW and 15kW drives. | 213.40 | 4547648975438 |



Born to Drive Machines

Specifically created for your application, the MX2 was developed to harmonise advanced motor and machine control. Thanks to its advanced design and algorithms, the MX2 provides smooth control down to zero speed, plus precise operation for cyclic operations and torque control capability in open loop.

Ratings: 200 V single-phase from 0.1 to 2.2 kW, 200 V three-phase from 0.1 to 15.0 kW, 400 V three-phase from 0.4 to 15.0 kW.

- High starting torque: 200% at 0.5 Hz
- Torque control in open loop vector
- Double rating VT 120%/1 min and CT 150%/ 1 min
- IM & PM motor control
- Safety conforming to ISO13849-1 Category
- 3 performance level PLD
- Built-in Logic programming
- Positioning functionality
- Integrated at Omron machine Automation solution
- Fieldbus communications: EtherCAT, Modbus, DeviceNet, Profibus, CompoNet, MECHATROLINK-II and EtherNet/IP

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 379063 | 3G3MX2-A2002-E | MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 246.20 | 4548583484153 |
| 379064 | 3G3MX2-A2004-E | MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 261.00 | 4548583484160 |
| 379065 | 3G3MX2-A2007-E | MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 348.00 | 4548583484177 |
| 379066 | 3G3MX2-A2015-E | MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 337.70 | 4548583484184 |
| 379067 | 3G3MX2-A2022-E | MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.00 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 381.90 | 4548583484191 |
| 379068 | 3G3MX2-A2037-E | MX inverter drive, 3.7/5.5 kW (HD/ND), 17.5/19.6 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 440.60 | 4548583484207 |
| 379069 | 3G3MX2-A2055-E | MX inverter drive, 5.5/7.5 kW (HD/ND), 25/30 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 1,048.00 | 4548583484214 |
| 379070 | 3G3MX2-A2075-E | MX inverter drive, 7.5/11.0 kW (HD/ND), 33/40 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 1,215.00 | 4548583484221 |
| 379071 | 3G3MX2-A2110-E | MX inverter drive, 11/15 kW (HD/ND), 47/56 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 1,739.00 | 4548583484238 |
| 379072 | 3G3MX2-A2150-E | MX inverter drive, 15/18.5 kW (HD/ND), 60/69 A (HD/ND), 200 VAC, 3~ input, sensorless vector, max. output freq. 580Hz | 2,248.00 | 4548583484245 |
| 379073 | 3G3MX2-A4004-E | MX inverter drive, 0.4/0.75 kW (HD/ND), 1.8/2.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 540.50 | 4548583484252 |
| 378477 | 3G3MX2-A4007-E | MX inverter drive, 0.75/1.5 kW (HD/ND), 3.4/4.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 605.50 | 4548583484276 |
| 379076 | 3G3MX2-A4015-E | MX inverter drive, 1.5/2.2 kW (HD/ND), 4.8/5.4 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 680.50 | 4548583484290 |
| 379078 | 3G3MX2-A4022-E | MX inverter drive, 2.2/3.0 kW (HD/ND), 5.5/6.9 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 761.50 | 4548583484313 |
| 379080 | 3G3MX2-A4030-E | MX inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 787.50 | 4548583484337 |
| 377397 | 3G3MX2-A4030-P-E | 3G3MX2 inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector, w/o heatsink, max. output freq. 580Hz | 707.00 | 4548583442801 |
| 379082 | 3G3MX2-A4040-E | MX inverter drive, 4.0/5.5 kW (HD/ND), 9.2/11.1 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 951.00 | 4548583484351 |
| 379084 | 3G3MX2-A4055-E | MX inverter drive, 5.5/7.5 kW (HD/ND), 14.8/17.5 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 1,221.00 | 4548583484375 |
| 379085 | 3G3MX2-A4075-E | MX inverter drive, 7.5/11.0 kW (HD/ND), 18/23 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 1,385.00 | 4548583484382 |
| 378478 | 3G3MX2-A4110-E | MX inverter drive, 11/15 kW (HD/ND), 24/31 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 1,531.00 | 4548583484399 |
| 379086 | 3G3MX2-A4150-E | MX inverter drive, 15/18.5 kW (HD/ND), 31/38 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz | 1,995.00 | 4548583484405 |
| 379087 | 3G3MX2-AB001-E | MX inverter drive, 0.1/0.2 kW (HD/ND), 1.0/1.2 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 304.40 | 4548583484412 |
| 379089 | 3G3MX2-AB002-E | MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 313.80 | 4548583484436 |
| 379091 | 3G3MX2-AB004-E | MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 325.40 | 4548583484450 |
| 379093 | 3G3MX2-AB007-E | MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 387.70 | 4548583484474 |
| 379095 | 3G3MX2-AB015-E | MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 458.80 | 4548583484498 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 379097 | 3G3MX2-AB022-E | MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, max. output freq. 580Hz | 534.00 | 4548583484511 |
| 377377 | 3G3MX2-AB022-P-E | 3G3MX2 inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector, w/o heatsink, max. output freq. 580Hz | 526.00 | 4548583379701 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 329711 | 3G3AX-MX2-DRT-E | DeviceNet option card for MX2 inverter | 162.40 | 4547648767903 |
| 343139 | 3G3AX-MX2-ECT | MX2 EtherCAT option card | 395.20 | 4547648834803 |
| 374112 | 3G3AX-MX2-EIO15-E | Extra I/O option board, 1 analog voltage input, 1 analog current input, 1 analog voltage output, 8 discrete logic inputs, 4 discrete logic outputs | 129.00 | 4548583372382 |
| 327340 | 3G3AX-MX2-PRT-E | MX2 option card, PROFIBUS DP | 239.60 | 4547648767897 |
| 241953 | A1000-CAVPC232-EE | Connecting cable, RS-232C, from 3G3JV/MV(V7)/E7/F7/V1000 to PC, (equivalent to 3G3IV-PCN329-E), 3 m | 15.80 | 4547648850759 |
| 386171 | AX-FIM1010-SE-LL | Accessory inverter MX2 EMC filter | 28.39 | 4547648975445 |
| 354492 | AX-FIM1010-SE-V1 | MX footprint RFI filter, 10A, 200VAC, single phase | 25.31 | 4547648905985 |
| 386172 | AX-FIM1014-SE-LL | Accessory inverter MX2 EMC filter | 40.30 | 4547648975452 |
| 392486 | AX-FIM1014-SE-V1 | MX footprint RFI filter, 14 A, 1~ 200 VAC, for 0.75 kW models | 37.47 | 4547648980463 |
| 386173 | AX-FIM1024-SE-LL | Accessory inverter MX2 EMC filter | 44.06 | 4547648975469 |
| 354493 | AX-FIM1024-SE-V1 | MX footprint RFI filter, 24A, 200VAC, single phase, for 1.5 to 2.2KW models | 41.75 | 4547648905992 |
| 386177 | AX-FIM3005-SE-LL | Accessory inverter MX2 EMC filter | 62.15 | 4547648975506 |
| 354500 | AX-FIM3005-SE-V1 | MX footprint RFI filter, 5A, 400VAC, three phase, for 0.37 to 1.1KW models | 64.05 | 4547648906067 |
| 386178 | AX-FIM3010-SE-LL | Accessory inverter MX2 EMC filter, Low leakage filter | 74.65 | 4547648975513 |
| 354501 | AX-FIM3010-SE-V1 | Accessory inverter MX2 EMC filter | 76.85 | 4547648906074 |
| 386179 | AX-FIM3014-SE-LL | Accessory inverter MX2 EMC filter | 84.05 | 4547648975520 |
| 354502 | AX-FIM3014-SE-V1 | MX footprint RFI filter, 14A, 400VAC, three phase, 4.0KW models | 86.70 | 4547648906081 |
| 386180 | AX-FIM3030-SE-LL | Accessory inverter MX2 EMC filter | 91.35 | 4547648975537 |
| 354503 | AX-FIM3030-SE-V1 | MX footprint RFI filter, 30A, 400VAC, three phase, for 5.5 to 7.5KW models | 86.70 | 4547648906098 |
| 386181 | AX-FIM3050-SE-LL | Accessory inverter MX2 EMC filter | 191.70 | 4547648975544 |
| 354504 | AX-FIM3050-SE-V1 | MX footprint RFI filter, 50A, 400VAC, three phase, for 11 to 15KW models | 170.60 | 4547648906104 |
| 138129 | EZZ08122A | J1000/J7AZ Din rail mounting bracket, frame size A | 16.59 | 4536853835064 |
| 239699 | JVOP-181 | USB converter unit with copy and backup function | 262.90 | 4536853913854 |

High performance vector control**Ratings**

200 V Class three-phase 0.4 to 110 kW

400 V Class three-phase 0.4 to 630 kW

- Current vector control, with or without PG
- High starting torque (200% / 0.3 Hz, spd range 1:200 OLV), (200% at 0 r/min, spd range 1:1500 CLV)
- Double rating ND 120%/1min and HD 150%/1 min
- Advanced Auto-Tuning for IM & PM Motors
- Open Loop Control of PM Motors
- Low-noise Low carrier technology
- 10 years lifetime design
- Screw-less terminals
- Control Terminals with memory backup
- 24 VDC control board power supply option
- Fieldbus communications: Modbus, Profibus, CANopen, DeviceNet, ML-II, PROFINET, EtherCAT and EtherNet/IP
- Safety embedded: EN954-1 safety cat. 3, stop category 0, IEC EN 61508 SIL 2 and EN61800-5-1 with EDM
- Regenerative solutions as option
- CE, UL, cUL and TUV

| Short item number | Order code | Description | Price EUR | GTIN |
|--------------------------|-------------------|---|------------------|---------------|
| 324899 | CIMR-AC4A0002FAA | A1000 inverter: 3~ 400 V, HD: 0.55 kW 1.8 A, ND: 0.75 kW 2.1 A, max. output freq. 400Hz | 773.00 | 4547648877268 |
| 324900 | CIMR-AC4A0004FAA | A1000 inverter: 3~ 400 V, HD: 0.75 kW 3.4 A, ND: 1.5 kW 4.1 A, max. output freq. 400Hz | 985.00 | 4547648877275 |
| 324901 | CIMR-AC4A0005FAA | A1000 inverter: 3~ 400 V, HD: 1.5 kW 4.8 A, ND: 2.2 kW 5.4 A, max. output freq. 400Hz | 1,104.00 | 4547648877282 |
| 324902 | CIMR-AC4A0007FAA | A1000 inverter: 3~ 400 V, HD: 2.2 kW 5.5 A, ND: 3.0 kW 6.9 A, max. output freq. 400Hz | 1,244.00 | 4547648877299 |
| 332487 | CIMR-AC4A0009FAA | A1000 inverter: 3~ 400 V, HD: 3 kW 7.2 A, ND: 4 kW 8.8 A, max. output freq. 400Hz | 1,324.00 | 4547648883474 |
| 324903 | CIMR-AC4A0011FAA | A1000 inverter: 3~ 400 V, HD: 4 kW 9.2 A, ND: 5.5 kW 11.1 A, max. output freq. 400Hz | 1,378.00 | 4547648877305 |
| 324904 | CIMR-AC4A0018FAA | A1000 inverter: 3~ 400 V, HD: 5.5 kW 14.8 A, ND: 7.5 kW 17.5 A, max. output freq. 400Hz | 1,684.00 | 4547648877312 |
| 301573 | CIMR-AC4A0023FAA | A1000 inverter: 3~ 400 V, HD: 7.5 kW 18 A, ND: 11 kW 23 A, max. output freq. 400Hz | 2,114.00 | 4547648870047 |
| 301574 | CIMR-AC4A0031FAA | A1000 inverter: 3~ 400 V, HD: 11 kW 24 A, ND: 15 kW 31 A, max. output freq. 400Hz | 2,256.00 | 4547648870054 |
| 301575 | CIMR-AC4A0038FAA | A1000 inverter: 3~ 400 V, HD: 15 kW 31 A, ND: 18.5 kW 38 A, max. output freq. 400Hz | 2,732.00 | 4547648870061 |
| 301576 | CIMR-AC4A0044FAA | A1000 inverter: 3~ 400 V, HD: 18.5 kW 39 A, ND: 22 kW 44 A, max. output freq. 400Hz | 4,416.00 | 4547648870078 |
| 324905 | CIMR-AC4A0058AAA | A1000 inverter: 3~ 400 V, HD: 22 kW 45 A, ND: 30 kW 58 A, max. output freq. 400Hz | 4,381.00 | 4547648877329 |
| 324906 | CIMR-AC4A0072AAA | A1000 inverter: 3~ 400 V, HD: 30 kW 60 A, ND: 37 kW 72 A, max. output freq. 400Hz | 4,938.00 | 4547648877336 |
| 324907 | CIMR-AC4A0088AAA | A1000 inverter: 3~ 400 V, HD: 37 kW 75 A, ND: 45 kW 88 A, max. output freq. 400Hz | 5,740.00 | 4547648877343 |
| 324908 | CIMR-AC4A0103AAA | A1000 inverter: 3~ 400 V, HD: 45 kW 91 A, ND: 55 kW 103 A, max. output freq. 400Hz | 6,805.00 | 4547648877350 |
| 324909 | CIMR-AC4A0139AAA | A1000 inverter: 3~ 400 V, HD: 55 kW 112 A, ND: 75 kW 139 A, max. output freq. 400Hz | 7,430.00 | 4547648877367 |
| 324910 | CIMR-AC4A0165AAA | A1000 inverter: 3~ 400 V, HD: 75 kW 150 A, ND: 90 kW 165 A, max. output freq. 400Hz | 9,555.00 | 4547648877374 |
| 355206 | CIMR-AC4A0208AAA | A1000 inverter: 3~ 400 V, HD: 90 kW 180 A, ND: 110 kW 208 A, max. output freq. 400Hz | 12,380.00 | 4547648909655 |
| 355207 | CIMR-AC4A0250AAA | A1000 inverter: 3~ 400 V, HD: 110 kW 216 A, ND: 132 kW 250 A, max. output freq. 400Hz | 13,780.00 | 4547648909662 |
| 355208 | CIMR-AC4A0296AAA | A1000 inverter: 3~ 400 V, HD: 132 kW 296 A, ND: 160 kW 304 A, max. output freq. 400Hz | 16,470.00 | 4547648909679 |
| 355209 | CIMR-AC4A0362AAA | A1000 inverter: 3~ 400 V, HD: 160 kW 304 A, ND: 185 kW 362 A, max. output freq. 400Hz | 21,200.00 | 4547648909686 |

| Short item number | Order code | Description | Price EUR | GTIN |
|--------------------------|-------------------|--|------------------|---------------|
| 679458 | A1000-FIA3024-SE | A1000 footprint RFI filter, 24 A, 3~ 200 VAC: 2A0004 - 2A0021, 3~ 400 VAC: 4A0002 - 4A0023 | 98.35 | 4549734932608 |
| 679456 | A1000-FIA3044-SE | A1000 footprint RFI filter, 44 A, 3~ 400 VAC: 4A0031 - 4A0038 | 199.80 | 4549734932585 |
| 679457 | A1000-FIA3052-SE | A1000 footprint RFI filter, 52 A, 3~ 400 VAC: 4A0044 | 246.70 | 4549734932592 |
| 328911 | A1000-FIA3071-RE | A1000 footprint RFI filter, 71 A, 3~ 400 VAC: 4A0058 - 4A0088 | 347.30 | 4547648880367 |
| 328912 | A1000-FIA3105-RE | A1000 footprint RFI filter, 105 A, 3~ 400 VAC: 4A0088 - 4A0139 | 436.70 | 4547648880374 |
| 328913 | A1000-FIA3170-RE | A1000 footprint RFI filter, 170 A, 3~ 400 VAC: 4A0139 - 4A0208 | 873.50 | 4547648880381 |
| 328914 | A1000-FIA3300-RE | A1000 footprint RFI filter, 300 A, 3~ 400 VAC: 4A0208 - 4A0362 | 1,406.00 | 4547648880398 |

More performance & Quality in less space



- Current vector control
- High starting torque (200% / 0.5 Hz)
- 1:100 speed control range
- Double rating ND 120%/1min and HD 150%/1 min
- IM&PM motor control
- Online Tuning
- Low-noise Low carrier technology
- 10 years lifetime design
- Built-in filter
- Screw-less terminals
- Control Terminals with memory backup
- Fieldbus communications: Modbus, Profibus, CANopen, DeviceNet, LONworks, CompoNet, Ethernet, ML-II, PROFINET and EtherCAT
- Safety embedded: EN954-1 safety cat. 3, EN6158 SIL II and EN60204-1 Stop category 0
- CE, UL, cUL and TUV

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 352360 | CIMR-VC4A0009JAB | V1000 Finless type Inverter, IP20, 3/4KW(HD/ND), 7.2/8.8A(HD/ND), 3~400VAC, sensorless vector, LED operator., max. output freq. 400Hz | 1,324.00 | 4547648895903 |
| 234267 | VZA20P4BAA | V1000 inverter, 3~ 200 VAC, 0.55 kW, 3.0 A, sensorless vector, max. output freq. 400Hz | 540.50 | 4547648389044 |
| 234268 | VZA20P7BAA | V1000 inverter, 3~ 200 VAC, 1.1 kW, 5.0 A, sensorless vector, max. output freq. 400Hz | 626.50 | 4547648389051 |
| 234269 | VZA21P5BAA | V1000 inverter, 3~ 200 VAC, 1.5 kW, 8.0 A, sensorless vector, max. output freq. 400Hz | 759.50 | 4547648389068 |
| 234270 | VZA22P2BAA | V1000 inverter, 3~ 200 VAC, 2.2 W, 11 A, sensorless vector, max. output freq. 400Hz | 849.50 | 4547648389075 |
| 234271 | VZA24P0BAA | V1000 inverter, 3~ 200 VAC, 4 W, 17.5 A, sensorless vector, max. output freq. 400Hz | 925.00 | 4547648389082 |
| 352963 | VZA25P5FAA | V1000 inverter, 3~ 200 VAC, 5.5 kW, 25 A, sensorless vector, max. output freq. 400Hz | 1,725.00 | 4547648898157 |
| 352964 | VZA27P5FAA | V1000 inverter, 3~ 200 VAC, 7.5 kW, 33 A, sensorless vector, max. output freq. 400Hz | 1,734.00 | 4547648898164 |
| 240694 | VZA4011FAA | V1000 inverter, 3~ 400 VAC, 11 kW, 24 A, sensorless vector, max. output freq. 400Hz | 1,920.00 | 4547648463812 |
| 240695 | VZA4015FAA | V1000 inverter, 3~ 400 VAC, 15 kW, 31 A, sensorless vector, max. output freq. 400Hz | 2,456.00 | 4547648463829 |
| 234251 | VZA40P2BAA | V1000 inverter, 3~ 400 VAC, 0.37 kW, 1.2 A, sensorless vector, max. output freq. 400Hz | 594.00 | 4547648388887 |
| 234252 | VZA40P4BAA | V1000 inverter, 3~ 400 VAC, 0.55 kW, 1.8 A, sensorless vector, max. output freq. 400Hz | 663.00 | 4547648388894 |
| 234253 | VZA40P7BAA | V1000 inverter, 3~ 400 VAC, 1.1 kW, 3.4 A, sensorless vector, max. output freq. 400Hz | 749.50 | 4547648388900 |
| 234254 | VZA41P5BAA | V1000 inverter, 3~ 400 VAC, 1.5 kW, 4.8 A, sensorless vector, max. output freq. 400Hz | 836.00 | 4547648388917 |
| 234255 | VZA42P2BAA | V1000 inverter, 3~ 400 VAC, 2.2 kW, 5.5 A, sensorless vector, max. output freq. 400Hz | 935.00 | 4547648388924 |
| 234256 | VZA43P0BAA | V1000 inverter, 3~ 400 VAC, 3.0 kW, 7.2 A, sensorless vector, max. output freq. 400Hz | 1,042.00 | 4547648388931 |
| 234257 | VZA44P0BAA | V1000 inverter, 3~ 400 VAC, 4.0 kW, 9.2 A, sensorless vector, max. output freq. 400Hz | 1,168.00 | 4547648388948 |
| 240692 | VZA45P5FAA | V1000 inverter, 3~ 400 VAC, 5.5 kW, 14.8 A, sensorless vector, max. output freq. 400Hz | 1,503.00 | 4547648463799 |
| 240693 | VZA47P5FAA | V1000 inverter, 3~ 400 VAC, 7.5 kW, 18 A, sensorless vector, max. output freq. 400Hz | 1,703.00 | 4547648463805 |
| 234258 | VZAB0P1BAA | V1000 inverter, 1~ 200 VAC, 0.12 kW, 0.8 A, sensorless vector, max. output freq. 400Hz | 414.90 | 4547648388955 |
| 234259 | VZAB0P2BAA | V1000 inverter, 1~ 200 VAC, 0.25 kW, 1.6 A, sensorless vector, max. output freq. 400Hz | 424.20 | 4547648388962 |
| 234260 | VZAB0P4BAA | V1000 inverter, 1~ 200 VAC, 0.55 kW, 3.0 A, sensorless vector, max. output freq. 400Hz | 444.30 | 4547648388979 |
| 234261 | VZAB0P7BAA | V1000 inverter, 1~ 200 VAC, 1.1 kW, 5.0 A, sensorless vector, max. output freq. 400Hz | 527.50 | 4547648388986 |
| 234262 | VZAB1P5BAA | V1000 inverter, 1~ 200 VAC, 1.5 kW, 8.0 A, sensorless vector, max. output freq. 400Hz | 620.00 | 4547648388993 |
| 234263 | VZAB2P2BAA | V1000 inverter, 1~ 200 VAC, 2.2 kW, 11.0 A, sensorless vector, max. output freq. 400Hz | 723.00 | 4547648389006 |
| 234264 | VZAB4P0BAA | V1000 inverter, 1~ 200 VAC, 4.0 kW, 17.5 A, sensorless vector, max. output freq. 400Hz | 822.50 | 4547648389013 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 241589 | JVOP-180 | LCD remote operator | 142.50 | 4547648851626 |
| 240837 | PS-V10S | 24VDC control board power supply VZA-B/2/4 from 0.1 to 4 KW | 238.60 | 4547648850049 |
| 264659 | SI-EN3/V | EtherNet/IP option board for V1000 inverter | 440.60 | 4547648864237 |
| 373020 | SI-EP3/V | V1000 option card - PROFIINET | 511.50 | 4547648949859 |
| 241427 | SI-N3/V | DeviceNet option board for V1000 inverter | 212.00 | 4547648850384 |
| 240836 | SI-P3/V | PROFIBUS DP option board for V1000 inverter | 341.80 | 4547648850032 |
| 240835 | SI-S3/V | CANopen option board for V1000 inverter | 259.50 | 4547648850025 |

The basic inverter



The new J1000 inverter has been designed to become the basic inverter in applications like conveyors, fans and pumps with small power ratings. It's so easy to install, set-up, operate run but at same time covering all the needs for such kinds of applications.

- V/F controlled inverter
- Good torque performance (150% / 3 Hz)
- Double rating ND 120%/1min and HD 150%/1 min
- Overload detection function (150% during 60s)
- Optional RS-232C/485 communication - Modbus
- Programming software: CX-drive for parameter configuration

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 246653 | JZA20P4BAA | Inverter drive, 0.55kW, 3.0A, 200 VAC, 3-phase, max. output freq. 400Hz | 297.50 | 4547648550673 |
| 246654 | JZA20P7BAA | Inverter drive, 1.1kW, 5.0A, 200 VAC, 3-phase, max. output freq. 400Hz | 348.50 | 4547648550680 |
| 246656 | JZA22P2BAA | Inverter drive, 2.2kW, 11.0A, 200 VAC, 3-phase, max. output freq. 400Hz | 450.90 | 4547648550703 |
| 246658 | JZA40P2BAA | Inverter drive, 0.37kW, 1.2A, 415 VAC, 3-phase, max. output freq. 400Hz | 477.90 | 4547648550727 |
| 246659 | JZA40P4BAA | Inverter drive, 0.55kW, 1.8A, 415 VAC, 3-phase, max. output freq. 400Hz | 487.20 | 4547648550734 |
| 246660 | JZA40P7BAA | Inverter drive, 1.1kW, 3.4A, 415 VAC, 3-phase, max. output freq. 400Hz | 560.50 | 4547648550741 |
| 246661 | JZA41P5BAA | Inverter drive, 1.5kW, 4.8A, 415 VAC, 3-phase, max. output freq. 400Hz | 660.00 | 4547648550758 |
| 246662 | JZA42P2BAA | Inverter drive, 2.2kW, 5.5A, 415 VAC, 3-phase, max. output freq. 400Hz | 784.00 | 4547648550765 |
| 246663 | JZA43P0BAA | Inverter drive, 3.0kW, 7.2A, 415 VAC, 3-phase, max. output freq. 400Hz | 836.00 | 4547648550772 |
| 246664 | JZA44P0BAA | Inverter drive, 4.0kW, 9.2A, 415 VAC, 3-phase, max. output freq. 400Hz | 951.50 | 4547648550789 |
| 246647 | JZAB0P2BAA | Inverter drive, 0.25kW, 1.6A, 240 VAC, single-phase, max. output freq. 400Hz | 270.90 | 4547648550611 |
| 246648 | JZAB0P4BAA | Inverter drive, 0.55kW, 3A, 240 VAC, single-phase, max. output freq. 400Hz | 301.30 | 4547648550628 |
| 246649 | JZAB0P7BAA | Inverter drive, 1.1kW, 5A, 240 VAC, single-phase, max. output freq. 400Hz | 364.80 | 4547648550635 |
| 246650 | JZAB1P5BAA | Inverter drive, 1.5kW, 8A, 240 VAC, single-phase, max. output freq. 400Hz | 487.20 | 4547648550642 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 252658 | JVOP-182 | LED remote operator | 68.30 | 4547648861502 |
| 249034 | SI-232/J | RS-232C comms interface for use with LED operator JVOP-182 | 88.75 | 4547648856799 |
| 249035 | SI-232/JC | RS-232C communications card for CIMR-J1000 inverter | 83.80 | 4547648856805 |
| 251861 | SI-485/J | RS-422/485 communications card for CIMR-J1000 inverter | 69.55 | 4547648860802 |

Customised to your machine



Omron realises that you need quality and reliability, plus the ability to easily and quickly customise your inverter to the application in hand. And with the RX, you have the perfect tool for the job. Naturally it combines the same high level of quality and performance for which Omron is renowned. It also has abundant application functionality on board and you can customise it yourself to match your precise requirements.

- Ratings up to 132 kWFull torque at 0 Hz in closed loopSensor-less and vector closed-loop controlBuilt-in EMC filter, logic programming and application functionalityField-bus communications: Modbus, DeviceNet, PROFIBUS, MECHATROLINK-II, EtherCAT and CompoNetRegenerative solutions as optionCE, cULus, RoHS

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 335480 | 3G3AX-OP01 | LED remote operator panel, cable length max. 3m | 79.55 | 4547648489751 |
| 357795 | 3G3AX-OP03 | LED remote operator panel | 246.20 | 4548583121751 |
| 376184 | 3G3AX-OP05 | 5 line LCD digital operator with copy function | 313.40 | 4548583096110 |
| 372905 | 3G3AX-OP05-B-E | Blind cover to be used in combination with communication option boards | 6.60 | 4547648949590 |
| 356399 | 3G3AX-OP05-H-E | 3G3 RX option, holder for LCD operator | 54.05 | 4548583059078 |
| 315471 | 3G3AX-PG01 | Encoder feedback card, differential and pulse inputs, pulse monitor output, 100kHz max. | 195.60 | 4547648489737 |
| 355919 | 3G3AX-RX-DRT-E | DeviceNet option card for RX inverter | 255.80 | 4548583059092 |
| 371931 | 3G3AX-RX-ECT | RX series EtherCAT option card | 527.50 | 4548583344297 |
| 355918 | 3G3AX-RX-PRT-E | 3G3RX option, PROFIBUS DP communication card | 348.50 | 4548583059085 |
| 283812 | AX-FIR3010-RE | RX footprint RFI filter, 10 A, 3~ 400 VAC, for 0.4-4.0 kW models | 85.40 | 4547648865975 |
| 283813 | AX-FIR3030-RE | RX footprint RFI filter, 30 A, 3~ 400 VAC, for 5.5-11 kW models | 104.70 | 4547648865982 |
| 283814 | AX-FIR3053-RE | RX footprint RFI filter, 53 A, 3~ 400 VAC, for 15-22 kW models | 201.20 | 4547648865999 |
| 283815 | AX-FIR3064-RE | RX footprint RFI filter, 64 A, 3~ 400 VAC, for 30 kW models | 288.90 | 4547648866002 |
| 283816 | AX-FIR3100-RE | RX footprint RFI filter, 100 A, 3~ 400 VAC, for 37 kW models | 347.70 | 4547648866019 |
| 283817 | AX-FIR3130-RE | RX footprint RFI filter, 130 A, 3~ 400 VAC, for 45-55 kW models | 405.40 | 4547648866026 |
| 315586 | AX-FIR3250-RE | RX footprint RFI filter, 250 A, 3~ 400 VAC, for 75-90 kW models | 923.00 | 4547648871228 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 410015 | 3G3MX2-A4004-E-ECT | MX inverter drive, 0.4/0.75 kW (HD/ND), 1.8/2.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 651.00 | 4547648994422 |
| 410017 | 3G3MX2-A4007-E-ECT | MX inverter drive, 0.75/1.5 kW (HD/ND), 3.4/4.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 668.50 | 4547648994446 |
| 410019 | 3G3MX2-A4015-E-ECT | MX inverter drive, 1.5/2.2 kW (HD/ND), 4.8/5.4 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 732.00 | 4547648994460 |
| 410021 | 3G3MX2-A4022-E-ECT | MX inverter drive, 2.2/3.0 kW (HD/ND), 5.5/6.9 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 781.00 | 4547648994484 |
| 410023 | 3G3MX2-A4030-E-ECT | MX inverter drive, 3.0/4.0 kW (HD/ND), 7.2/8.8 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 844.50 | 4547648994507 |
| 410025 | 3G3MX2-A4040-E-ECT | MX inverter drive, 4.0/5.5 kW (HD/ND), 9.2/11.1 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 977.00 | 4547648994521 |
| 670452 | 3G3MX2-A4055-E-ECT | MX inverter drive, 5.5/7.5 kW (HD/ND), 14.8/17.5 A (HD/ND), 400 VAC, 3-phase, sensorless vector+ MX2 EtherCAT option card, max. output freq. 580Hz | 1,060.00 | 4548583971066 |
| 670454 | 3G3MX2-A4075-E-ECT | MX inverter drive, 7.5/11 kW (HD/ND), 18/23 A (HD/ND), 400 VAC, 3-phase, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 1,158.00 | 4548583971080 |
| 668519 | 3G3MX2-A4150-E-ECT | MX inverter drive, 15/18.5 kW (HD/ND), 31/38 A (HD/ND), 400 VAC, 3~, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 2,160.00 | 4548583961838 |
| 410027 | 3G3MX2-AB001-E-ECT | MX inverter drive, 0.1/0.2 kW (HD/ND), 1.0/1.2 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 442.30 | 4547648994545 |
| 410029 | 3G3MX2-AB002-E-ECT | MX inverter drive, 0.2/0.4 kW (HD/ND), 1.6/1.9 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 442.30 | 4547648994569 |
| 410031 | 3G3MX2-AB004-E-ECT | MX inverter drive, 0.4/0.55 kW (HD/ND), 3.0/3.5 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 453.20 | 4547648994583 |
| 410033 | 3G3MX2-AB007-E-ECT | MX inverter drive, 0.75/1.1 kW (HD/ND), 5.0/6.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 497.60 | 4547648994606 |
| 410035 | 3G3MX2-AB015-E-ECT | MX inverter drive, 1.5/2.2 kW (HD/ND), 8.0/9.6 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 527.00 | 4547648994620 |
| 410037 | 3G3MX2-AB022-E-ECT | MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, sensorless vector + MX2 EtherCAT option card, max. output freq. 580Hz | 671.00 | 4547648994644 |

Q2A & Q2V accessories

Frequency inverters

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 324009 | 3G3AX-CAJOP300-EE | Cable for connecting remote operator,3 m | 4.41 | 4547648873703 |
| 322128 | AX-CUSBM002-E | Mini USB to USB connector cable | 44.43 | 4547648872188 |
| 682628 | Q2-FIA4080-SE | Q2A Book end style RFI filter, 80 A, 3~ 400 VAC, for Q2A-A4044/Q2A-A4060/Q2A-A4075/Q2A-A2042/Q2A-A2056/Q2A-A2070/Q2V-A4044/Q2V-A4060 models. | 546.00 | 4549734949262 |
| 682627 | Q2-FIA4100-SE | Q2A/Q2V Book end style RFI filter, 100 A,3~ 400 VAC, for Q2A-A4089/Q2A-A2082/Q2V-A2082 models | 683.50 | 4549734949255 |
| 278325 | SI-N3 | DeviceNet option board for A1000, Q2A and Q2V inverters. | 219.50 | 4547648864978 |
| 274269 | SI-P3 | PROFIBUS DP option board for A1000, Q2A and Q2V inverters. | 383.10 | 4547648864831 |

Frequency inverter accessories

Frequency inverters

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 250561 | A1000-REJOK15300-IE | Braking Resistor for J1000, 300 Ω | 22.73 | 4547648859820 |
| 250560 | A1000-REJOK15400-IE | Braking Resistor for J1000, 400 Ω | 23.59 | 4547648859837 |
| 239854 | A1000-REV00K4100-IE | Braking Resistor, 100 ohm | 38.63 | 4536853913878 |
| 239855 | A1000-REV00K5075-IE | Braking Resistor, 75 ohm | 40.94 | 4536853913885 |
| 239856 | A1000-REV00K6050-IE | Braking Resistor, 50 ohm | 56.45 | 4536853913892 |
| 239857 | A1000-REV00K9040-IE | Braking Resistor, 40 ohm | 94.05 | 4536853913908 |
| 324034 | AX-BCR4015045-TE | Braking unit 400 V, permanent 15 A/11 KVA, peak 45 A/33 KVA, 16 ohm min | 763.50 | 4547648873956 |
| 324035 | AX-BCR4017068-TE | Braking unit 400 V, permanent 17 A/13 KVA, peak 68 A/51 KVA, 11 ohm min | 751.50 | 4547648873963 |
| 324036 | AX-BCR4035090-TE | Braking unit 400 V, permanent 35 A/26 KVA, peak 90 A/67 KVA, 8.5 ohm min | 1,317.00 | 4547648873970 |
| 325091 | AX-BCR4090240-TE | Braking unit 400V, permanent 90A/67KVA, Peak 240A/180KVA, 3.2 ohm min | 2,522.00 | 4547648877442 |
| 319011 | AX-RAI00191150-DE | AC input reactor, 115 A, 0.19 mH, for 45 to 55 kW sizes, 400 VAC, 3 phase | 795.50 | 4547648871570 |
| 319005 | AX-RAI00740335-DE | AC input reactor, 33.5 A, 0.74 mH, for 11 and 15 kW sizes, 400 VAC, 3 phase | 355.00 | 4547648871525 |
| 318999 | AX-RAI01300170-DE | AC input reactor, 17 A, 1.3 mH, for 5.5 and 7.5 kW sizes, 400 VAC, 3 phase | 285.60 | 4547648871464 |
| 319004 | AX-RAI03500100-DE | AC input reactor, 10 A, 3.5 mH, for 2.2. 3.0 and 4.0 kW sizes, 400 VAC, 3 phase | 193.10 | 4547648871518 |
| 319003 | AX-RAI07700050-DE | AC input reactor, 5 A, 7.7 mH, for 0.4, 0.7 and 1.5 kW sizes, 400 VAC, 3 phase | 184.80 | 4547648871501 |
| 319461 | AX-RAO02000320-DE | AC output reactor, 32 A, 2 mH, for 15 kW, 400 VAC, 3 phase | 505.00 | 4547648871969 |
| 319462 | AX-RAO02500220-DE | AC output reactor, 22 A, 2.5 mH, for 11 kW, 400 VAC, 3 phase | 460.10 | 4547648871976 |
| 319464 | AX-RAO03600160-DE | AC output reactor, 16 A, 3.6 mH, for 7.5 kW, 400 VAC, 3 phase | 339.50 | 4547648871990 |
| 319467 | AX-RAO07300080-DE | AC output reactor, 8 A, 7.3 mH, for 3.0 and 4.0 kW, 400 VAC, 3 phase | 358.80 | 4547648872027 |
| 354528 | AX-RAO11800053-DE | AC output reactor, 5.3 A, 11.8 mH, for 2.2 kW, 400 VAC, 3 phase | 191.10 | 4547648906326 |
| 319471 | AX-RAO16300038-DE | AC output reactor, 3.8 A, 16.3 mH, for 0.4, 0.7 and 1.5 kW, 400 VAC, 3 phase | 186.50 | 4547648872065 |
| 324011 | AX-REM00K1200-IE | Braking resistor, 200 ohm, 110 W nominal | 23.68 | 4547648873727 |
| 324010 | AX-REM00K1400-IE | Braking resistor, 400 ohm, 190 W nominal | 26.53 | 4547648873710 |
| 324012 | AX-REM00K2070-IE | Braking resistor, 70 ohm, 200 W nominal | 27.76 | 4547648873734 |
| 324017 | AX-REM00K2120-IE | Braking resistor, 120 ohm, 200 W nominal | 33.83 | 4547648873789 |
| 324014 | AX-REM00K4035-IE | Braking resistor, 35 ohm, 400 W nominal | 36.83 | 4547648873758 |
| 324013 | AX-REM00K4075-IE | Braking resistor, 70 ohm, 400 W nominal | 40.80 | 4547648873741 |
| 324016 | AX-REM00K5120-IE | Braking resistor, 120 ohm, 500 W nominal | 43.12 | 4547648873772 |
| 324023 | AX-REM00K6035-IE | Braking resistor, 35 ohm, 600 W nominal | 66.65 | 4547648873840 |
| 324018 | AX-REM00K6100-IE | Braking resistor, 100 ohm, 600 W nominal | 53.40 | 4547648873796 |
| 324019 | AX-REM00K9070-IE | Braking resistor, 70 ohm, 900 W nominal | 116.80 | 4547648873802 |
| 324020 | AX-REM01K9070-IE | Braking resistor, 70 ohm, 1900 W nominal | 273.40 | 4547648873819 |
| 324021 | AX-REM02K1070-IE | Braking resistor, 70 ohm, 2100 W nominal | 424.20 | 4547648873826 |
| 324022 | AX-REM03K5035-IE | Braking resistor, 35 ohm, 3500 W nominal | 511.00 | 4547648873833 |
| 324030 | AX-REM19K0020-IE | Braking resistor, 20 ohm, 19 kW nominal | 590.50 | 4547648873918 |
| 324029 | AX-REM19K0030-IE | Braking resistor, 30 ohm, 19 kW nominal | 496.40 | 4547648873901 |
| 324031 | AX-REM38K0012-IE | Braking resistor, 12 ohm, 38kW nominal | 746.00 | 4547648873925 |
| 356394 | CDBR-4030D | Braking unit for 3~ 400 V inverters | 613.50 | 4547648924146 |
| 356395 | CDBR-4045D | Braking unit for 3~ 400 V inverters | 774.00 | 4547648924153 |
| 138124 | ERF-150WJ101 | Braking resistor, 100 Ohm, for 200 VAC drives (1.5kW) (equivalent to 3G3IV-PERF150WJ101) | 32.62 | 4536853834982 |
| 138125 | ERF-150WJ201 | Braking resistor, 200 Ohm, for 200VAC drives (up to 0.75kW) (equivalent to 3G3IV-PERF150WJ201) | 42.10 | 4536853834999 |
| 138126 | ERF-150WJ301 | Braking resistor, 300 Ohm, for 400 VAC drives (2.2kW) (equivalent to 3G3IV-PERF150WJ301) | 32.62 | 4536853835002 |
| 147919 | ERF-150WJ401 | Braking resistor, 400 Ohm, for 400VAC drives (1.5kW) (equivalent to 3G3IV-PERF150WJ401) | 32.62 | 4536853835019 |
| 148902 | ERF-150WJ700 | Braking resistor, 70 Ohm, for 200 VAC drives (2.2kW) (equivalent to 3G3IV-PERF150WJ700) | 37.69 | 4536853835033 |
| 138127 | ERF-150WJ751 | Braking resistor, 750 Ohm, for 400VAC drives (up to 0.75kW) (equivalent to 3G3IV-PERF150WJ751) | 32.62 | 4536853835040 |



General purpose sensor in compact plastic housing

Compact housing size and high-power LED for excellent performance-size ratio and best value-performance ratio for standard applications.

- Minimal optical axis deviation for easy alignment
- IP67 and IP69K for highest water resistance
- Intensive shielding for highest noise immunity (EMC)
- Multiple molding housing for high mechanical resistance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 338387 | E3Z-D81-M1J 0.3M | Photoelectric sensor, diffuse, compact square, infrared LED, 100m, PNP, L-on/D-on selectable, M12 pig-tail connector | 80.20 | 4547648676212 |
| 241531 | E3Z-D82 5M | Photoelectric sensor, diffuse, 1m, DC, 3-wire, PNP, 5m cable (requires bracket) | 81.50 | 4547648287197 |
| 338392 | E3Z-D82-M1J-1 0.3M | Photoelectric sensor, diffuse, compact square, infrared LED, 1 m, PNP, L-on/D-on selectable, M12 pig-tail connector 0.3 m with dust cover | 80.85 | 4547648677295 |
| 323114 | E3Z-L61 2M | Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, NPN, 2m cable | 112.10 | 4547648676250 |
| 323116 | E3Z-L66 | Photoelectric sensor, narrow beam, diffuse, 90±30 mm, DC, 3-wire, NPN, M8 plug-in | 112.10 | 4547648676281 |
| 323115 | E3Z-L81 2M | Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, 2m cable | 124.90 | 4547648676274 |
| 323131 | E3Z-L81-M1J-1 0.3M | Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap | 109.60 | 4547648677301 |
| 323117 | E3Z-L86 | Photoelectric sensor, narrow beam, diffuse, 90±30mm, DC, 3-wire, PNP, M8 plug-in | 124.90 | 4547648676298 |
| 323126 | E3Z-LS61 2M | Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, NPN, 2m cable (requires bracket) | 109.00 | 4547648677011 |
| 323128 | E3Z-LS66 | Photoelectric sensor, diffuse, BGS, compact square, red LED, 40-200mm, DC, 3-wire, NPN, M8 plug-in (requires bracket) | 112.10 | 4547648677035 |
| 323154 | E3Z-LS68 | Photoelectric sensor, diffuse, BGS, compact square, red LED, 80mm, NPN, L-on/D-on selectable, M8-4pin connector | 115.20 | 4547648680615 |
| 323129 | E3Z-LS81 2M | Photoelectric sensor, diffuse background suppression, 40-200 mm, DC, 3-wire, PNP, 2 m cable (requires bracket) | 109.00 | 4547648677059 |
| 323136 | E3Z-LS81-M1J 0.3M | Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, PNP, M12 pigtail (requires bracket) | 158.00 | 4547648678674 |
| 323113 | E3Z-LS81-M3J 0.3M | Photoelectric sensor, diffuse background suppression, 40 to 200 mm, DC, 3-wire, PNP, M8 pigtail 4-pin (requires bracket) | 88.60 | 4547648677912 |
| 323134 | E3Z-LS83 2M | Photoelectric sensor, diffuse background suppression, 2-80mm, DC, 3-wire, PNP, 2m cable (requires bracket) | 136.50 | 4547648678339 |
| 323130 | E3Z-LS86 | Photoelectric sensor, diffuse background suppression, 40-200mm, DC, 3-wire, PNP, M8 plug in (requires bracket) | 112.10 | 4547648677066 |
| 323135 | E3Z-LS88 | Photoelectric sensor, diffuse, BGS, compact square, red LED, 80m+F7390m, PNP, L-on/D-on selectable, M8 connector | 138.50 | 4547648678353 |
| 372328 | E3Z-R61-C 5M | Photoelectric sensor, retroreflective, 4m, DC, 3-wire, NPN, 5 m cable, including reflector E39-R1 | 124.90 | 4547648676748 |
| 338386 | E3Z-R81-M1J 0.3M | Photoelectric sensor, retro-reflective, 4m, DC, 3-wire, PNP, M12 pigtail (requires reflector & bracket) | 62.65 | 4547648676205 |
| 338393 | E3Z-R81-M1J-1 0.3M | Photoelectric sensor, retroreflective, 4m, DC, 3-wire, PNP (requires reflector & bracket) | 75.60 | 4547648677479 |
| 339271 | E3Z-R81-M3J 0.3M | Photoelectric sensor, retro-reflective, 4m, DC, 3-wire, PNP, M8 pigtail 4-pin (requires reflector & bracket) | 80.55 | 4547648676694 |
| 338405 | E3Z-R81-M5J 0.3M | Photoelectric sensor, retroreflective, 4m, DC, 3-wire, PNP (requires reflector & bracket) | 94.25 | 4547648678131 |
| 339294 | E3Z-R86-4 | Photoelectric sensor, retro-reflective, compact square, infrared LED, 5m, PNP, L-on/D-on selectable, M8-4pin connector | 78.85 | 4547648680011 |
| 658924 | E3Z-R86H | Retro-reflective with M.S.R. 4m, without sensitivity adjusters, PNP, M8 plug-in 4-pins | 67.35 | 4548583583818 |
| 323229 | E3ZS-T81A | Photoelectric sensor | 221.20 | 4547648674355 |
| 339279 | E3Z-T81A-M1J 0.3M | Photoelectric sensor, through-beam, 10 m, DC, 3-wire, PNP, M12 cable end connector, 0.3 m cable | 155.30 | 4547648677653 |
| 323111 | E3Z-T81C-G0SRD-CN | Photoelectric sensor, through-beam receiver, 15 m, DC, 3-wire, PNP, Dark-ON, without adjuster, M8 4-pin connector | 82.80 | 4547648683081 |
| 323110 | E3Z-T81C-G0SRL-CN | Photoelectric sensor, through-beam emitter, 15 m, DC, 3-wire, PNP, M8 4-pin connector | 48.97 | 4547648683074 |
| 339296 | E3Z-T81-D-M1J-1 0.3M | Photoelectric sensor, through-beam receiver, 15 m, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap | 70.30 | 4547648680059 |
| 342546 | E3Z-T81K 2M | Photoelectric sensor, through-beam, 15 m, 3-wire, PNP, 2 m cable, oil resistant | 106.30 | 4547648677387 |
| 339295 | E3Z-T81-L-M1J-1 0.3M | Photoelectric sensor, through-beam emitter, 15 m, DC, 3-wire, PNP, 0.3 m cable with M12 connector incl. dust cap | 47.29 | 4547648680042 |
| 338385 | E3Z-T81-M1J 0.3M | Photoelectric sensor, through-beam, Sn=15 m, PNP, plastic, red LED, 0.3 m PVC cable with M12 4-pin | 144.50 | 4547648676199 |

**IO-Link sensor in compact plastic housing**

The E3Z IO-Link sensor provides high functionality and easy data access from the control level thanks IO-Link functionalities. Designed in compact housing size, with advanced diagnostics, flexible settings and with all standard detection modes, make the sensor the first choice for standard and challenging applications.

- Configuration and communication via IO-Link v1.1
- IO-Link functionalities with advanced diagnostics
- Transmission rate COM 2 & COM 3
- Rugged compact housing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 671087 | E3Z-D87-IL2 | Photoelectric sensor, diffuse, 1 m, DC, PNP, M8 connector, IO-link, COM 2 | 82.80 | 4548583793293 |



Photoelectric sensor in compact stainless steel housing

Compact housing size and high power LED for excellent performance-size ratio in a rugged, detergent-resistant stainless steel housing (SUS316L).

- High grade stainless steel housing (SUS316L)
- IP67 and IP69k for highest water resistance
- Ecolab tested and certified detergent resistance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 223465 | E3ZM-D62 2M | Photoelectric sensor, Diffuse, metal body, IP69K, 1m, NPN, 2m cable | 149.70 | 4547648235587 |
| 223467 | E3ZM-D82 2M | Photoelectric sensor, Diffuse, metal body, IP69K, 1m, pre-wired, PNP, 2m cable | 149.70 | 4547648235600 |
| 223468 | E3ZM-D87 | Photoelectric sensor, diffuse, metal body, IP69K, 1m, M8 4-pin, PNP | 149.00 | 4547648235617 |
| 223473 | E3ZM-LS81H 2M | Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.1m, PNP, 2m cable | 150.30 | 4547648235686 |
| 223475 | E3ZM-LS84H 2M | Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.2m, PNP, 2m cable | 149.70 | 4547648235709 |
| 223476 | E3ZM-LS86H | Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.1 m, M8 4-pin, PNP output | 129.00 | 4547648235716 |
| 227237 | E3ZM-LS86X | Photoelectric sensor, diffuse, BGS, 100mm, compact square, stainless steel, IP69K, red LED, L-on fixed, PNP, M8 4-pin connector | 154.90 | 4547648279765 |
| 223478 | E3ZM-LS89H | Photoelectric sensor, fixed background suppression, metal body, IP69K, 0.2 m, M8 4-pin, PNP | 127.80 | 4547648235730 |
| 227239 | E3ZM-LS89X | Photoelectric sensor, diffuse, BGS, 200mm, compact square, stainless steel, IP69K, red LED, L-on fixed, PNP, M8 4-pin connector | 178.40 | 4547648279598 |
| 223479 | E3ZM-R61 2M | Photoelectric sensor, retro-reflective, metal body, IP69K, 4m, NPN, 2m cable | 146.50 | 4547648235747 |
| 223481 | E3ZM-R81 2M | Photoelectric sensor, Retro-reflective, metal body, IP69K, 4m, PNP, 2m cable | 146.50 | 4547648235761 |
| 223482 | E3ZM-R86 | Photoelectric sensor, retro-reflective, metal body, IP69K, 4m, M8 4-pin, PNP | 149.70 | 4547648235778 |
| 223485 | E3ZM-T81 2M | Photoelectric sensor, through-beam, metal body, IP69K, 15m, PNP, 2m cable | 235.20 | 4547648235808 |
| 226037 | E3ZM-T81 5M | Photoelectric sensor, Through Beam, metal body, IP69K, 15 m, Pre-wired, PNP Output | 276.80 | 4547648271790 |
| 292361 | E3ZM-T81-L 5M | Photoelectric sensor, rectangular, SUS body, IR LED, thru-beam emitter, 15 m, PNP, L-ON/D-ON selectable, 5 m cable | 128.30 | 4547648719148 |
| 227530 | E3ZM-T83 5M | Photoelectric sensor, through-beam, 0.8m, compact square, stainless steel, infrared LED, internal slit, IP69K, PNP, 5 m cable | 237.00 | 4547648289375 |
| 223486 | E3ZM-T86 | Photoelectric sensor, through-beam, metal body, IP69K, 15m, M8 4-pin, PNP | 235.70 | 4547648235815 |
| 227532 | E3ZM-T88 | Photoelectric sensor, through-beam, 0.8m, compact square, stainless steel, infrared LED, internal slit, IP69K, PNP, M8-4pin connector | 247.90 | 4547648289399 |



LASER sensor in compact plastic housing

The E3Z LASER sensor in compact plastic housing features visible LASER light for precision positioning and detection applications.

- Visible LASER light for precision positioning and small object detection
- High power LED for long range precision
- Class 1 LASER
- Precise background suppression and low black/white error for accurate detection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 323137 | E3Z-LL61 2M | Photoelectric sensor, BGS laser sensor, 20-300mm, pre-wired, NPN, 2m cable | 171.70 | 4547648678735 |
| 323138 | E3Z-LL66 | Photoelectric sensor, BGS laser, 20-300mm, M8 4-pin connector, NPN | 167.80 | 4547648678742 |
| 323142 | E3Z-LL68 | Photoelectric sensor, BGS laser, 300mm, NPN, L-on/D-on selectable, M8 connector | 202.10 | 4547648678780 |
| 323139 | E3Z-LL81 2M | Photoelectric sensor, BGS laser sensor, 20-300mm, pre-wired, PNP | 171.70 | 4547648678759 |
| 323041 | E3Z-LL81-M1J 0.3M | Photoelectric sensor, BGS laser, 20-300mm, M12 pigtail, PNP | 203.60 | 4547648678926 |
| 323064 | E3Z-LL81-M3J 0.3M | Photoelectric sensor, BGS laser, 20-300mm, M8 pigtail 4-pin, PNP | 172.30 | 4547648679282 |
| 323143 | E3Z-LL83 2M | Photoelectric sensor, BGS laser, 300mm, PNP, L-on/D-on selectable, pre-wired 2m | 171.70 | 4547648678797 |
| 323140 | E3Z-LL86 | Photoelectric sensor, BGS laser, 20-300mm, M8 4-pin connector, PNP | 168.50 | 4547648678766 |
| 323144 | E3Z-LL88 | Photoelectric sensor, BGS laser, 300mm, PNP, L-on/D-on selectable, M8-4pin connector | 171.00 | 4547648678803 |
| 323145 | E3Z-LR61 2M | Photoelectric sensor, retro-reflective laser, 15m, NPN, 2m cable | 134.90 | 4547648678810 |
| 323146 | E3Z-LR66 | Photoelectric sensor, retro-reflective laser, 15m, M8 4-pin connector, NPN | 136.40 | 4547648678827 |
| 323147 | E3Z-LR81 2M | Photoelectric sensor, retro-reflective laser, 15m, PNP, 2m cable | 134.90 | 4547648678834 |
| 323049 | E3Z-LR81-M1J 0.3M | Photoelectric sensor, retro-reflective laser, 15 m, M12 pigtail, PNP | 123.40 | 4547648679008 |
| 323148 | E3Z-LR86 | Photoelectric sensor, retro-reflective laser, 15m, M8 4-pin connector, PNP | 133.50 | 4547648678841 |
| 323149 | E3Z-LT61 2M | Photoelectric sensor, through-beam laser, 60m, pre-wired, NPN output, 2M cable | 171.70 | 4547648678858 |
| 323150 | E3Z-LT66 | Photoelectric sensor, through-beam laser, 60m, M8 4-pin connector, NPN | 168.50 | 4547648678865 |
| 323151 | E3Z-LT81 2M | Photoelectric sensor, through-beam laser, 60m, PNP, 2m cable | 171.70 | 4547648678872 |
| 323053 | E3Z-LT81-M1J 0.3M | Photoelectric sensor, through-beam laser, 60m, M12 pigtail, PNP | 189.20 | 4547648679046 |
| 323152 | E3Z-LT86 | Photoelectric sensor, through-beam laser, 60m, M8 4-pin connector, PNP | 171.70 | 4547648678889 |
| 333179 | E3Z-LT86-D | Photoelectric sensor, through-beam laser receiver, 60 m, M8 4-pin connector, PNP | 66.50 | 4547648679695 |
| 323058 | E3Z-LT86-L | Photoelectric sensor, through-beam laser emitter, 60m, M8 4-pin connector | 123.40 | 4547648679091 |



Distance-settable photoelectric sensor in metal housing

Distance-settable photoelectric sensor in metal housing

- Minimal black/white error for highest reliability detecting differently coloured objects (E3S-CL1)
- Setting distance up to 500 mm with reliable background suppression

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 239843 | E3S-CL1 2M | Photoelectric sensor distance setting BGS, 5-200mm, NPN/PNP, 2m cable | 191.40 | 4547648357418 |
| 239821 | E3S-CL1 5M | Photoelectric sensor distance setting BGS, 5-200 mm, NPN/PNP, 5 m cable | 181.40 | 4547648357425 |
| 239808 | E3S-CL1-M1J 0.3M | Photoelectric sensor distance setting BGS, 5-200mm, NPN/PNP, M12 pigtail | 182.30 | 4547648357517 |
| 239844 | E3S-CL2 2M | Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, 2m cable | 175.70 | 4547648357432 |
| 239822 | E3S-CL2 5M | Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, 5m cable | 196.70 | 4547648357449 |
| 239809 | E3S-CL2-M1J 0.3M | Photoelectric sensor distance setting BGS, 5-500mm, NPN/PNP, M12 pigtail | 194.30 | 4547648357524 |



Photoelectric sensor in plastic fork shape housing

The forked shape optical through-beam sensors combine simple installation with reliable passage detection of object, machine parts or transportation elements like hanggliders.

- Fork shape for simple installation
- 1 or 2 axis models

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 332056 | E3Z-G61 2M | Photoelectric sensor, single-beam, slot, 25 mm, DC, 3-wire, NPN, 2 m cable | 103.40 | 4547648676519 |
| 332059 | E3Z-G81 2M | Photoelectric sensor, single-beam, slot, 25mm, DC, 3-wire, PNP, 2m cable | 103.40 | 4547648676908 |
| 332063 | E3Z-G81-M1J-1 0.3M | Photoelectric sensor, single-beam, slot, 25 mm, DC, 3-wire, PNP, M12 pigtail connector | 99.30 | 4547648677318 |
| 332060 | E3Z-G81-M3J | Photoelectric sensor, single-beam, slot, 25mm, DC, 3-wire, PNP, M8 pigtail connector | 134.60 | 4547648676915 |
| 332061 | E3Z-G82 2M | Photoelectric sensor, twin-beam, slot, 25mm, DC, 4-wire, PNP, 2m cable | 126.00 | 4547648676939 |
| 332062 | E3Z-G82-M3J | Photoelectric sensor, twin-beam, slot, 25mm, DC, 4-wire, PNP, M8 pigtail connector | 158.60 | 4547648676946 |

Transparent object detection sensor in compact stainless steel housing

The E3ZM-B family provides models for the general transparent material detection and specialized models providing highest stability for the detection of PET bottles.

- Stable PET detection using double refraction and AC³ power control technology
- Detergent resistant compact SUS316L housing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 332044 | E3ZM-B66 | Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500 mm, NPN, reflector not included, M8 4-pin connector | 167.90 | 4547648689298 |
| 332042 | E3ZM-B81 2M | Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, PNP, reflector not included, 2M cable | 170.30 | 4547648689274 |
| 323656 | E3ZM-B81T 2M | Photoelectric sensor, transparent, retro-reflective 500mm with adjuster, metal body, IP69K, PNP, reflector not included, 2m cable | 173.30 | 4547648797313 |
| 332045 | E3ZM-B86 | Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, M8 4-pin connector, PNP, reflector not included | 167.90 | 4547648689304 |
| 326598 | E3ZM-B86-C | Photoelectric sensor, transparent PET bottle, retro-reflective, metal body, IP69K, 500mm, M8 4-pin connector, PNP, reflector included | 217.80 | 4547648689427 |
| 323657 | E3ZM-B86T | Photoelectric sensor, transparent, retro-reflective 500mm with adjuster, metal body, IP69K, PNP, reflector not included, M8 4-pin connector | 164.50 | 4547648797320 |

Transparent bottle detection photoelectric sensor in compact plastic housing



The E3Z-B provides easy adjustment for the detection of a large variety of standard transparent objects.

- Detects a wide range of bottles from single bottles to sets of stacked bottles
- IP67/IP69K tested for highest water resistance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 323118 | E3Z-B61 2M | Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, NPN, 2m cable (requires reflector & bracket) | 133.50 | 4547648676632 |
| 323120 | E3Z-B66 | Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, NPN, M8 plug-in (requires reflector & bracket) | 122.60 | 4547648676656 |
| 323123 | E3Z-B67 | Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, NPN, M8 plug-in (requires reflector & bracket) | 122.60 | 4547648676724 |
| 323119 | E3Z-B81 2M | Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, PNP, 2m cable (requires reflector & bracket) | 133.50 | 4547648676649 |
| 323124 | E3Z-B82 2M | Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, PNP, 2m cable (requires reflector & bracket) | 133.50 | 4547648676762 |
| 323121 | E3Z-B86 | Photoelectric sensor, transparent object, retro-reflective, 500mm, DC, 3-wire, PNP, M8 plug-in (requires reflector & bracket) | 122.60 | 4547648676663 |
| 323125 | E3Z-B87 | Photoelectric sensor, transparent object, retro-reflective, 2m, DC, 3-wire, PNP, M8 plug-in (requires reflector & bracket) | 122.60 | 4547648676786 |

Transparent object sensor



E3S-DB sensor provides most reliable detection of all kinds of transparent objects such as PET bottles, glass bottles or transparent trays.

- Most reliable detection of all transparent objects
- Smart Teach enabling fast set up and optimum threshold setting
- Narrow beam types detecting smallest gaps
- Proven for environments in Food & Beverage industry

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 668061 | E3S-DBP11 2M | Photoelectric sensor, rectangular shape, red LED, transparent object detection, SmartTeach, 4.5 m PNP, antivalent output, prewired 2 m | 109.30 | 4548583720978 |
| 388939 | E3S-DBP21 | Photoelectric sensor, rectangular shape, red LED, transparent object detection, SmartTeach, 4.5m, PNP, antivalent output, M12 conn. | 101.20 | 4548583518292 |
| 388938 | E3S-DBP21T | Photoelectric sensor, rectangular shape, red LED, transparent object detection, multi-turn trimmer, 4.5m, PNP, antivalent output, M12 conn. | 90.05 | 4548583518285 |
| 388941 | E3S-DBP22 | Photoelectric sensor, rectangular shape, red LED, transparent object detection, narrow beam, SmartTeach, 0.7m, PNP, antivalent output, M12 conn. | 102.70 | 4548583518315 |
| 388940 | E3S-DBP22T | Photoelectric sensor, rectangular shape, red LED, transparent object detection, narrow beam, multi-turn trimmer, 0.7m, PNP, antivalent output, M12 conn. | 94.65 | 4548583518308 |

Photoelectric sensor for structured object detection in plastic housing



The special wide beam optics of the E3S-LS3 ensures reliable detection of structured objects (with holes or different heights) and can be used for example to detect printed circuit boards (PCBs).

- Wide beam for reliable detection of structured, shiny and irregularly shaped objects

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 154808 | E3S-LS3NW 2M | Photoelectric sensor, diffuse, 10-60mm, DC, 3-wire, NPN, vertical, 2m cable | 109.40 | 4536854810060 |
| 130314 | E3S-LS3PW 2M | Photoelectric sensor limited-reflective, diffuse, wide beam for structured-shiny-irregularly objects, 10-60mm, PNP, 2m cable | 118.30 | 4536854917318 |
| 130317 | E3S-LS3PW-M3J 0.3M | Photoelectric sensor, limited reflective, compact square, 10 to 60mm range, PNP, red LED, M8-4pin pig-tail connector | 92.10 | 4536854917387 |
| 130316 | E3S-LS3PWT 2M | Photoelectric sensor, limited reflective, compact square, 10 to 60mm range, PNP, red LED, timer function, 2m cable | 111.90 | 4536854917332 |



All voltage photoelectric sensor with long sensing distance

The new generation of square sized E3JK family provides significantly enhanced sensing performance and ease of operation. The family features 24 to 240 VAC power models as well as models with PNP/NPN transistor output.

- High power and visible red LED for all models enabling easy alignment and long sensing distance. Bright indicator LEDs that are visible even at a large distance. Best price-value ratio Available models with red LED and infrared LED

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 668837 | E3JK-DN11 2M | Photoelectric sensor, square body, red LED, diffuse, 2.5m, NPN, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746541 |
| 668839 | E3JK-DP11 2M | Photoelectric sensor, square body, red LED, diffuse, 2.5m, PNP, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746589 |
| 668840 | E3JK-DP12 2M | Photoelectric sensor, square body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 61.10 | 4548583746602 |
| 669198 | E3JK-DP13 2M | Photoelectric sensor, square body, IR LED, diffuse, 2.5m, PNP, L-ON/D-ON selectable, 2m cable | 55.15 | 4548583580862 |
| 668835 | E3JK-DR11 2M | Photoelectric sensor, square body, red LED, diffuse, 2.5m, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 69.30 | 4548583746480 |
| 668843 | E3JK-DR12 2M | Photoelectric sensor, square body, red LED, diffuse, 300mm, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 66.00 | 4548583746510 |
| 669197 | E3JK-DR14 2M | Photoelectric sensor, square body, IR LED, diffuse, 300mm, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 62.75 | 4548583580794 |
| 668832 | E3JK-RN11 2M | Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, NPN, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746640 |
| 668831 | E3JK-RN12 2M | Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, NPN, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746701 |
| 668833 | E3JK-RP11 2M | Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, PNP, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746664 |
| 668836 | E3JK-RP12 2M | Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, PNP, L-ON/D-ON selectable, 2m cable | 59.10 | 4548583746725 |
| 668844 | E3JK-RR11 2M | Photoelectric sensor, square body, red LED, retro-reflective, non-polarized, 7m, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 64.05 | 4548583746626 |
| 668829 | E3JK-RR12 2M | Photoelectric sensor, square body, red LED, retro-reflective, polarized, 6m, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 64.05 | 4548583746688 |
| 379009 | E3JK-RR12 5M | Photoelectric sensor, square body, red LED, retro-reflective (polarized), 6m, AC/DC, Relay, 5 m cable | 63.70 | 4548583484023 |
| 668830 | E3JK-TP11 2M | Photoelectric sensor, square body, red LED, through-beam, 40m, PNP, L-ON/D-ON selectable, 2m cable | 88.20 | 4548583746442 |
| 668838 | E3JK-TR11 2M | Photoelectric sensor, square body, red LED, through-beam, 40m, AC/DC, relay, L-ON/D-ON selectable, 2m cable | 94.05 | 4548583746343 |
| 668841 | E3JK-TR11 5M | Photoelectric sensor, square body, red LED, through-beam, 40 m, AC/DC, relay, L-ON/D-ON selectable, 5 m cable | 96.45 | 4548583746350 |



Multi voltage photoelectric sensor in plastic housing with timer function

The square sized E3JM family provides 12 to 240 VDC and 24 to 240 VAC power supply voltage, an enhanced sensing distance and a timer function.

- 12 to 240 VDC and 24 to 240 VAC supply voltage
- Relay or solid state relay output
- Timer function

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 680474 | E3JM-10M4-G-NN | Photoelectric sensor, square shape, through-beam, 10m, relay output, connector clamps, PG13.5 | 131.80 | 4549734172912 |
| 680483 | E3JM-10M4-NN | Photoelectric sensor, square shape, through-beam, 10m, relay output, connector clamps, PF1/2 conduit | 141.50 | 4549734172875 |
| 680478 | E3JM-10M4T-G-NN | Photoelectric sensor, square shape, through-beam, 10m, timer function, relay output, connector clamps, PG13.5 | 142.00 | 4549734172943 |
| 232869 | E3JM-DS70M4 | Photoelectric sensor, diffuse, 700 mm, AC/DC, relay | 98.00 | 4536854779190 |
| 232860 | E3JM-DS70M4-G | Photoelectric sensor, diffuse, 700mm, AC/DC, relay | 92.40 | 4536854779107 |
| 232861 | E3JM-DS70M4T-G | Photoelectric sensor, diffuse, 700mm, AC/DC, relay, timer 5s, conduit size PG13.5 | 102.40 | 4536854779114 |
| 232871 | E3JM-R4M4 | Photoelectric sensor, retro-reflective, 4m, AC/DC, relay, conduit PF 1/2 | 97.00 | 4536854779213 |
| 232862 | E3JM-R4M4-G | Photoelectric sensor, retro-reflective, 4m, AC/DC, relay | 92.75 | 4536854779121 |
| 232863 | E3JM-R4M4T-G | Photoelectric sensor, retro-reflective, 4m, AC/DC, relay, timer 5s | 104.30 | 4536854779138 |
| 232892 | E3JM-R4R4-G | Photoelectric sensor, polarized retro.reflection, 4m, AC/DC, transistor output PNP | 124.90 | 4536854779435 |
| 232897 | E3JM-R4R4T-G | Photoelectric sensor, square shape, retro-reflective, 4m, timer function, SSR output/plus common, relay clamps | 144.50 | 4536854779480 |
| 232904 | E3JM-R4R4T-G-33 | Photoelectric sensor, Polarized retroreflective, 4m, AC/DC, Transistor output PNP, timer | 144.50 | 4536854779923 |



High performance photoelectric sensor in compact M18 housing

E3FA/E3FB series represents a new generation of Omron photoelectric sensors with large varieties of reliable and easy-to-use photoelectric sensors. Featuring many standard and special functions this line is addressing many kinds of industries such as packaging, ceramics and material handling.

- Large variety of standard and special types
- High power and visible red LED enabling easy alignment and long sensing distance
- Compact and robust housing for easy integration into machines

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 378852 | E3FA-DN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440562 |
| 378853 | E3FA-DN12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440579 |
| 378854 | E3FA-DN13 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, 2m cable | 39.52 | 4548583440586 |
| 381322 | E3FA-DN15 2M | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, NPN, L-ON/D-ON selectable, 2m cable | 36.48 | 4548583468535 |
| 378862 | E3FA-DN21 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440678 |
| 378863 | E3FA-DN22 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440685 |
| 378864 | E3FA-DN23 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, M12 connector | 39.52 | 4548583440692 |
| 381323 | E3FA-DN25 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, NPN, L-ON/D-ON selectable, M12 connector | 36.48 | 4548583468542 |
| 378872 | E3FA-DP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440784 |
| 378873 | E3FA-DP12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440791 |
| 378874 | E3FA-DP13 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, 2m cable | 39.52 | 4548583440807 |
| 381320 | E3FA-DP14 2M | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable, 2m cable | 36.48 | 4548583468511 |
| 381324 | E3FA-DP15 2M | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 36.48 | 4548583468559 |
| 381328 | E3FA-DP16 2M | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1m, PNP, L-ON/D-ON selectable, 2m cable | 38.78 | 4548583468597 |
| 378882 | E3FA-DP21 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440890 |
| 378883 | E3FA-DP22 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440906 |
| 378884 | E3FA-DP23 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector | 39.52 | 4548583440913 |
| 381321 | E3FA-DP24 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 36.48 | 4548583468528 |
| 382777 | E3FA-DP24-F2 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 100mm, PNP, L-ON/D-ON selectable/inverted logic, M12 connector | 28.24 | 4548583499485 |
| 381325 | E3FA-DP25 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 36.48 | 4548583468566 |
| 381329 | E3FA-DP26 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1m, PNP, L-ON/D-ON selectable, M12 connector | 38.78 | 4548583468603 |
| 382779 | E3FA-DP26-F2 | Photoelectric sensor, M18 axial, plastic body, IR LED, diffuse reflective, 1 m, PNP, L-ON/D-ON selectable/inverted logic, M12 connector | 30.57 | 4548583499508 |
| 378856 | E3FA-LN12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200 mm, NPN, L-ON/D-ON selectable, 2 m cable | 44.33 | 4548583440609 |
| 378875 | E3FA-LP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, 2m cable | 44.20 | 4548583440814 |
| 378876 | E3FA-LP12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, 2m cable | 43.95 | 4548583440821 |
| 378885 | E3FA-LP21 | Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 43.62 | 4548583440920 |
| 378886 | E3FA-LP22 | Photoelectric sensor, M18 axial, plastic body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector | 43.47 | 4548583440937 |
| 378850 | E3FA-RN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440548 |
| 378851 | E3FA-RN12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500mm, NPN, L-ON/D-ON selectable, 2m cable | 39.52 | 4548583440555 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 378860 | E3FA-RN21 | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440654 |
| 378870 | E3FA-RP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable | 37.50 | 4548583440760 |
| 378871 | E3FA-RP12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500mm, PNP, L-ON/D-ON selectable, 2m cable | 39.52 | 4548583440777 |
| 378880 | E3FA-RP21 | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector | 37.50 | 4548583440876 |
| 659017 | E3FA-RP21-F2 | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, inverted logic, M12 connector | 43.85 | 4548583731196 |
| 378881 | E3FA-RP22 | Photoelectric sensor, M18 axial, plastic body, red LED, coaxial retro-reflective, 0-500m, PNP, L-ON/D-ON selectable, M12 connector | 39.52 | 4548583440883 |
| 386962 | E3FA-TN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, 2m cable | 51.10 | 4548583440531 |
| 381314 | E3FA-TN12 2M | Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15m, NPN, L-ON/D-ON selectable, 2m cable | 52.15 | 4548583468450 |
| 404483 | E3FA-TN21 | Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, M12 connector | 51.10 | 4548583440647 |
| 404484 | E3FA-TP11 2M | Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m PVC cable | 51.10 | 4548583440753 |
| 416701 | E3FA-TP11 5M | Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20 m, PNP, L-ON/D-ON selectable, 5 m PVC cable | 42.77 | 4548583569201 |
| 381316 | E3FA-TP12 2M | Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, 2 m cable | 52.15 | 4548583468474 |
| 404485 | E3FA-TP21 | Photoelectric sensor, M18 axial, plastic, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector | 51.10 | 4548583440869 |
| 415553 | E3FA-TP21-D | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam receiver, 20 m, PNP, L-ON/D-ON selectable, M12 connector | 34.18 | 4548583547308 |
| 415552 | E3FA-TP21-L | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam emitter, 20 m, PNP, L-ON/D-ON selectable, M12 connector | 24.10 | 4548583547292 |
| 381317 | E3FA-TP22 | Photoelectric sensor, M18 axial, plastic body, infrared LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, M12 connector | 52.15 | 4548583468481 |
| 378893 | E3FB-DN11 2M | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, 2 m cable | 42.77 | 4548583441002 |
| 378894 | E3FB-DN12 2M | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, 2m cable | 39.17 | 4548583441019 |
| 378904 | E3FB-DN21 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, NPN, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441118 |
| 378905 | E3FB-DN22 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441125 |
| 378906 | E3FB-DN23 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1m, NPN, L-ON/D-ON selectable, M12 connector | 44.75 | 4548583441132 |
| 378915 | E3FB-DP11 2M | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable | 42.77 | 4548583441224 |
| 378916 | E3FB-DP12 2M | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 42.77 | 4548583441231 |
| 378917 | E3FB-DP13 2M | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1 m, PNP, L-ON/D-ON selectable, 2 m cable | 44.75 | 4548583441248 |
| 378926 | E3FB-DP21 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441330 |
| 378927 | E3FB-DP22 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441347 |
| 378928 | E3FB-DP23 | Photoelectric sensor, M18 axial, metal body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector | 44.75 | 4548583441354 |
| 387806 | E3FB-DP25-F2 | Photoelectric sensor, M18 axial, metal body, infrared LED, diffuse reflective, 300mm, PNP, L-ON/D-ON selectable, inverted logic, M12 connector | 41.49 | 4548583518926 |
| 659014 | E3FB-DP26-F2 | Photoelectric sensor, M18 axial, metal body, infrared LED, diffuse reflective, 1 m, PNP, L-ON/D-ON selectable inverted logic, M12 connector | 43.47 | 4548583731295 |
| 378918 | E3FB-LP11 2M | Photoelectric sensor, M18 axial, metal body, red LED, BGS, 100 mm, PNP, L-ON/D-ON selectable, 2 m cable | 48.14 | 4548583441255 |
| 378929 | E3FB-LP21 | Photoelectric sensor, M18 axial, metal body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 49.15 | 4548583441361 |
| 378930 | E3FB-LP22 | Photoelectric sensor, M18 axial, metal body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector | 49.35 | 4548583441378 |
| 378891 | E3FB-RN11 2M | Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, NPN, L-ON/D-ON selectable, 2m cable | 42.77 | 4548583440982 |
| 378902 | E3FB-RN21 | Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1-4m, NPN, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441095 |
| 378913 | E3FB-RP11 2M | Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable | 42.77 | 4548583441200 |
| 378924 | E3FB-RP21 | Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441316 |
| 659019 | E3FB-RP21-F2 | Photoelectric sensor, M18 axial, metal body, red LED, retro-reflective, 0.1 to 4 m, PNP, L-ON/D-ON selectable, inverted logic, M12 connector | 40.45 | 4548583731325 |
| 378925 | E3FB-RP22 | Photoelectric sensor, M18 axial, metal body, red LED, coaxial retro-reflective, 0-500m, PNP, L-ON/D-ON selectable, M12 connector | 44.75 | 4548583441323 |
| 378890 | E3FB-TN11 2M | Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20 m, NPN, L-ON/D-ON selectable, 2m cable | 61.05 | 4548583440975 |
| 378901 | E3FB-TN21 | Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, NPN, L-ON/D-ON selectable, M12 connector | 61.05 | 4548583441088 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 378912 | E3FB-TP11 2M | Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m cable | 61.05 | 4548583441194 |
| 378923 | E3FB-TP21 | Photoelectric sensor, M18 axial, metal body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector | 61.05 | 4548583441309 |
| 415550 | E3FB-TP21-D | Photoelectric sensor, M18 axial, metal body, red LED, thru-beam receiver, 20m, PNP, L-ON/D-ON selectable, M12 connector | 39.81 | 4548583593671 |
| 378963 | E3RA-DP12 2M | Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 300 mm, PNP, L-ON/D-ON selectable, 2 m cable | 42.77 | 4548583441705 |
| 378964 | E3RA-DP13 2M | Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 700mm, PNP, L-ON/D-ON selectable, 2m cable | 44.75 | 4548583441712 |
| 378967 | E3RA-DP21 | Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 100 mm, PNP, L-ON/D-ON selectable, M12 connector | 41.81 | 4548583441743 |
| 378968 | E3RA-DP22 | Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 42.77 | 4548583441750 |
| 378969 | E3RA-DP23 | Photoelectric sensor, M18 radial, plastic body, red LED, diffuse, 700 mm, PNP, L-ON/D-ON selectable, M12 connector | 44.75 | 4548583441767 |
| 378956 | E3RA-RN21 | Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1 to 4 m, NPN, L-ON/D-ON selectable, M12 connector | 41.81 | 4548583441637 |
| 378961 | E3RA-RP11 2M | Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable | 41.81 | 4548583441682 |
| 378966 | E3RA-RP21 | Photoelectric sensor, M18 radial, plastic body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector | 41.81 | 4548583441736 |
| 378960 | E3RA-TP11 2M | Photoelectric sensor, M18 radial, plastic body, red LED, through-beam, 15 m, PNP, L-ON/D-ON selectable, 2 m cable | 55.40 | 4548583441675 |
| 378965 | E3RA-TP21 | Photoelectric sensor, M18 radial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector | 55.40 | 4548583441729 |
| 378978 | E3RB-DN22 | Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, NPN, L-ON/D-ON selectable, M12 connector | 48.11 | 4548583441859 |
| 378983 | E3RB-DP12 2M | Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 48.11 | 4548583441903 |
| 378987 | E3RB-DP21 | Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 100 mm, PNP, L-ON/D-ON selectable, M12 connector | 47.42 | 4548583441941 |
| 378988 | E3RB-DP22 | Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 40.24 | 4548583441958 |
| 378989 | E3RB-DP23 | Photoelectric sensor, M18 radial, metal body, red LED, diffuse, 700 mm, PNP, L-ON/D-ON selectable, M12 connector | 49.76 | 4548583441965 |
| 378981 | E3RB-RP11 2M | Photoelectric sensor, M18 radial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable | 39.52 | 4548583441880 |
| 378986 | E3RB-RP21 | Photoelectric sensor, M18 radial, metal body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector | 47.42 | 4548583441934 |
| 378985 | E3RB-TP21 | Photoelectric sensor, M18 radial, metal body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector | 64.70 | 4548583441927 |



Standard M18 Photosensor with best price-value ratio

Omron E3F1 series represents an M18 size Photoelectric sensor with best value at competitive price. It features the same compact housing as E3FA and meets all requirements for standard industrial applications.

- Bright visible red LED enabling easy alignment
- Compact and robust housing for easy integration into machines
- Reliable operation in all industrial environments

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 378936 | E3F1-DN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, 2 m cable | 26.13 | 4548583441439 |
| 378937 | E3F1-DN12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300 mm, NPN, L-ON/D-ON selectable, 2 m cable | 26.91 | 4548583441446 |
| 378940 | E3F1-DN21 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100 mm, NPN, L-ON/D-ON selectable, M12 connector | 26.13 | 4548583441477 |
| 378941 | E3F1-DN22 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300 mm, NPN, L-ON/D-ON selectable, M12 connector | 26.91 | 4548583441484 |
| 378944 | E3F1-DP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, 2m cable | 26.13 | 4548583441514 |
| 378945 | E3F1-DP12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 26.91 | 4548583441521 |
| 378948 | E3F1-DP21 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 26.13 | 4548583441552 |
| 378949 | E3F1-DP22 | Photoelectric sensor, M18 axial, plastic body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 26.91 | 4548583441569 |
| 401859 | E3F1-DP22-10 | Photoelectric sensor, LITE, M18 axial, plastic body, red LED, diffuse reflective, 300 mm, PNP, L-ON/D-ON selectable, M12 connector, Multipack 10 pcs | 243.30 | 4548583571617 |
| 378935 | E3F1-RN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, NPN, L-ON/D-ON selectable, 2m cable | 26.13 | 4548583441422 |
| 378939 | E3F1-RN21 | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1 to 3 m, NPN, L-ON/D-ON selectable, M12 connector | 26.13 | 4548583441460 |
| 378943 | E3F1-RP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, PNP, L-ON/D-ON selectable, 2m cable | 26.13 | 4548583441507 |
| 378947 | E3F1-RP21 | Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1-3m, PNP, L-ON/D-ON selectable, M12 connector | 26.13 | 4548583441545 |
| 401861 | E3F1-RP21-10 | Photoelectric sensor, LITE, M18 axial, plastic body, red LED, retro-reflective, 3 m, PNP, L-ON/D-ON selectable, M12 connector, Multipack 10 pcs | 235.90 | 4548583571631 |
| 378934 | E3F1-TN11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15 m, NPN, L-ON/D-ON selectable, 2 m cable | 36.65 | 4548583441415 |
| 378938 | E3F1-TN21 | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15 m, NPN, L-ON/D-ON selectable, M12 connector | 35.50 | 4548583441453 |
| 378942 | E3F1-TP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, 2m cable | 37.53 | 4548583441491 |
| 378946 | E3F1-TP21 | Photoelectric sensor, M18 axial, plastic body, red LED, through-beam, 15m, PNP, L-ON/D-ON selectable, M12 connector | 35.50 | 4548583441538 |

M18 Photosensor in high-grade stainless steel housing

For high grade stainless steel inductive sensors see the E2EH. And for high grade stainless steel Safety Non-contact switches see the F3S-TGR-N_C.

- High grade steel housing (SUS316L)
- Proven with various industrial detergents of Ecolab and Diversey
- Withstands heat shock conditions
- Epoxy resin at connector/cable end preventing water ingress
- Bright visible red LED enabling easy alignment

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 659444 | E3FC-BP11 2M | Photoelectric sensor, M18 axial, SUS body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, 2m cable | 72.70 | 4548583732667 |
| 659430 | E3FC-DP12 2M | Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, 2m cable | 60.70 | 4548583732780 |
| 659445 | E3FC-DP22 | Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 60.70 | 4548583732834 |
| 659439 | E3FC-DP23 | Photoelectric sensor, M18 axial, SUS body, red LED, diffuse, 1m, PNP, L-ON/D-ON selectable, M12 connector | 61.70 | 4548583732841 |
| 659448 | E3FC-DP25 | Photoelectric sensor, M18 axial, SUS body, infrared LED, diffuse, 300mm, PNP, L-ON/D-ON selectable, M12 connector | 60.70 | 4548583732858 |
| 659426 | E3FC-LP21 | Photoelectric sensor, M18 axial, SUS body, red LED, BGS, 100mm, PNP, L-ON/D-ON selectable, M12 connector | 87.50 | 4548583732964 |
| 659454 | E3FC-LP22 | Photoelectric sensor, M18 axial, SUS body, red LED, BGS, 200mm, PNP, L-ON/D-ON selectable, M12 connector | 88.45 | 4548583732971 |
| 659446 | E3FC-RP11 2M | Photoelectric sensor, M18 axial, SUS body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, 2m cable | 61.70 | 4548583733008 |
| 659455 | E3FC-RP21 | Photoelectric sensor, M18 axial, SUS body, red LED, retro-reflective, 0.1-4m, PNP, L-ON/D-ON selectable, M12 connector | 61.25 | 4548583733022 |
| 659443 | E3FC-TP11 2M | Photoelectric sensor, M18 axial, SUS body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, 2m cable | 99.45 | 4548583733053 |
| 659433 | E3FC-TP21 | Photoelectric sensor, M18 axial, SUS body, red LED, through-beam, 20m, PNP, L-ON/D-ON selectable, M12 connector | 103.30 | 4548583733084 |



Miniature photoelectric sensors in M8 and M12 housings

For object detection applications where space is crucial, the E3H2 provides the easy mounting of cylindrical sensors in small M8 and M12 metal housings.

- M8 or M12 sized cylindrical housings when mounting space is crucial
- Retro-reflective models with two teaching modes for standard and semi-transparent objects
- Diffuse reflective models with fixed and teachable sensing distance
- Pre-wired and connector models

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 323686 | E3H2-DS10B4M 2M | Photoelectric sensor M12 brass housing, diffuse, 100mm fixed, PNP, 2m cable | 72.90 | 4547648873017 |
| 323687 | E3H2-DS10B4M-M1 | Photoelectric sensor M12 brass housing, diffuse, 100mm fixed, PNP, Photoelectric sensor M12 4-pin connection | 83.65 | 4547648873024 |
| 323682 | E3H2-DS30B4M 2M | Photoelectric sensor M12 brass housing, diffuse, 300mm teachable, PNP, 2m cable | 129.60 | 4547648872973 |
| 323683 | E3H2-DS30B4M-M1 | Photoelectric sensor M12 brass housing, diffuse, 300mm teachable, PNP, Photoelectric sensor M12 4-pin connection | 84.85 | 4547648872980 |
| 323679 | E3H2-R2B4M-M1 | Photoelectric sensor M12 brass housing, retro-reflective with M.S.R., 2m teachable, PNP, Photoelectric sensor M12 4-pin connection | 90.15 | 4547648872942 |
| 323674 | E3H2-T4B4M 2M | Photoelectric sensor M12 brass housing, through-beam, 4m adjustable, PNP, 2m cable | 122.60 | 4547648872898 |
| 323675 | E3H2-T4B4M-M1 | Photoelectric sensor M12 brass housing, through-beam, 4m adjustable, PNP, Photoelectric sensor M12 4-pin connection | 163.90 | 4547648872904 |



Miniature photoelectric sensors in M5 and M6 sized housing

The E3T-C family of miniature photoelectric sensors is the ideal solution when mounting space is crucial.

- axial and radial M5 sized through-beam sensors
- axial M6 sized diffuse-reflective sensors
- pre-wired models in stainless steel housing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 351567 | E3T-CD11 2M | Photoelectric sensor, M6 stainless steel housing, diffuse 50 mm, Light-ON, NPN, 2 m cable | 124.60 | 4547648838542 |
| 351568 | E3T-CD13 2M | Photoelectric sensor, M6 stainless steel housing, diffuse 50 mm, Light-ON, PNP, 2 m cable | 182.40 | 4547648838559 |
| 351564 | E3T-CT14 2M | Photoelectric sensor, M6 stainless steel housing, through-beam 1 m, Dark-ON, PNP, 2 m cable | 145.10 | 4547648838511 |
| 351566 | E3T-CT24S 2M | Photoelectric sensor, M6 stainless steel housing, side view, through-beam 500 mm, Dark-ON, PNP, 2 m cable | 145.10 | 4547648838535 |

Transparent object detection sensor in compact M18 housing



The E3FA/E3FB-B/-V provides enhanced detection stability for the detection of transparent objects. It allows an easy and intuitive adjustment for individual requirements.

- Easy adjustment to individual requirements for all transparent materials
- P-opaque technology enables reliable detection of PET bottles also in dusty environments
- Coaxial optics (E3F[.]B_1) for stable, position-independent detection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 378869 | E3FA-BN22 | Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, NPN, L-ON/D-ON selectable, M12 connector | 47.42 | 4548583440746 |
| 378878 | E3FA-BP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, 2m cable | 47.42 | 4548583440845 |
| 378879 | E3FA-BP12 2M | Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, PNP, L-ON/D-ON selectable, 2m cable | 47.42 | 4548583440852 |
| 378888 | E3FA-BP21 | Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, M12 connector | 47.42 | 4548583440951 |
| 378889 | E3FA-BP22 | Photoelectric sensor, M18 axial, plastic body, red LED, transparent object detection, 0.1-2m, PNP, L-ON/D-ON selectable, M12 connector | 47.42 | 4548583440968 |
| 378877 | E3FA-VP11 2M | Photoelectric sensor, M18 axial, plastic body, red LED, limited distance reflective, 10-50mm, PNP, L-ON/D-ON selectable, 2m cable | 45.78 | 4548583440838 |
| 378887 | E3FA-VP21 | Photoelectric sensor, M18 axial, plastic body, red LED, limited distance reflective, 10-50mm, PNP, L-ON/D-ON selectable, M12 connector | 45.78 | 4548583440944 |
| 378932 | E3FB-BP21 | Photoelectric sensor, M18 axial, metal body, red LED, transparent object detection, 500mm, PNP, L-ON/D-ON selectable, M12 connector | 52.45 | 4548583441392 |
| 378933 | E3FB-BP22 | Photoelectric sensor, M18 axial, metal body, red LED, transparent object detection, 0.1 to 2 m, PNP, L-ON/D-ON selectable, M12 connector | 52.45 | 4548583441408 |
| 378931 | E3FB-VP21 | Photoelectric sensor, M18 axial, metal body, red LED, limited distance reflective, 10-50 mm, PNP, L-ON/D-ON selectable, M12 connector | 44.43 | 4548583441385 |

Photoelectric sensor in miniature plastic housing



Small sized photoelectric sensors in flat and side view shape for demanding mounting conditions.

- Small size with precision pinpoint LED where space is crucial
- 3.5mm flat model with reliable background suppression and small black/white error
- Unique optical alignment technology ensuring minimal deviation of optical axis
- High EMC and ambient light immunity

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 130184 | E3T-FD11 2M | Photoelectric sensor, diffuse, 30mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires E39-L119 bracket) | 91.00 | 4536853289881 |
| 156504 | E3T-FD13 2M | Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires E39-L119 bracket) | 88.75 | 4536854366437 |
| 351549 | E3T-FD13M 2M | Photoelectric sensor, flat, diffuse 5-30mm, Light-ON, PNP, 2m cable (requires M3 screw & bracket) | 65.70 | 4548583011144 |
| 142150 | E3T-FD14 2M | Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires E39-L119 bracket) | 91.30 | 4536854366451 |
| 224245 | E3T-FL13 2M | Photoelectric sensor, background suppression, 1-15mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires bracket) | 149.30 | 4547648223621 |
| 224247 | E3T-FL21 2M | Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires bracket) | 126.00 | 4547648223645 |
| 224249 | E3T-FL23 2M | Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, PNP, light-on, flat, 2m cable (requires bracket) | 122.10 | 4547648223669 |
| 224250 | E3T-FL24 2M | Photoelectric sensor, background suppression, 1-30mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires bracket) | 126.00 | 4547648223676 |
| 149691 | E3T-FT11 2M | Photoelectric sensor, through-beam, 500mm, DC, 3-wire, NPN, light-on, flat, 2m cable (requires 2x E39-L119 bracket) | 121.30 | 4536853289867 |
| 130183 | E3T-FT12 2M | Photoelectric sensor, through-beam, 500mm, DC, 3-wire, NPN, dark-on, flat, 2m cable (requires 2x E39-L119 bracket) | 118.60 | 4536853289874 |
| 130100 | E3T-FT13 2M | Photo-electric sensor, through-beam, miniature, flat-view, 500mm, L-on, PNP, 2m cable | 121.30 | 4536854366345 |
| 130101 | E3T-FT14 2M | Photoelectric sensor, through-beam, 500mm, DC, 3-wire, PNP, dark-on, flat, 2m cable (requires 2x E39-L119 bracket) | 118.60 | 4536854366352 |
| 156503 | E3T-SL11 2M | Photoelectric sensor, diffuse, 15mm, DC, 3-wire, NPN, light-on, side view, 2m cable (requires bracket) | 92.35 | 4536853289836 |
| 145481 | E3T-SL13 2M | Photoelectric sensor, diffuse, 15mm, DC, 3-wire, PNP, light-on, side view, 2m cable (requires bracket) | 87.40 | 4536854366383 |
| 149692 | E3T-SL14 2M | Photo-electric sensor, convergent-reflective, miniature, side view, 5 to 15 mm, D-on, PNP, 2 m cable | 81.50 | 4536854366406 |
| 147720 | E3T-SL21 2M | Photoelectric sensor, diffuse, 30mm, DC, 3-wire, NPN, light-on, side view, 2m cable (requires bracket) | 88.75 | 4536853289904 |
| 130103 | E3T-SL23 2M | Photoelectric sensor, diffuse, 30mm, DC, 3-wire, PNP, light-on, side view, 2m cable (requires bracket) | 90.35 | 4536854366413 |
| 130104 | E3T-SL24 2M | Photoelectric sensor, convergent-reflective, miniature, side view, 5-30mm, D-on, PNP, 2m cable | 88.75 | 4536854366420 |
| 130110 | E3T-SL24 5M | Photoelectric sensor, diffuse, 5 to 30 mm, DC, 3-wire, PNP, dark-on, side-view, 5 m cable, M2 mounting | 73.30 | 4536854366598 |
| 224201 | E3T-SR23 2M | Photoelectric sensor, retroreflective (reflector supplied), 200mm, DC, 3-wire, PNP, light-on, side-view, 2m cable (requires bracket) | 96.65 | 4547648222952 |
| 224204 | E3T-SR24 2M | Photoelectric sensor, retroreflective (reflector supplied), 200mm, DC, 3-wire, PNP, dark-on, side-view, 2m cable (requires bracket) | 96.65 | 4547648222983 |
| 249829 | E3T-SR43 2M | Photoelectric sensor, retro-reflective, 200 mm range | 105.10 | 4547648590365 |
| 249833 | E3T-SR43-C 2M | Photoelectric sensor, retro-reflective, miniature, side view, 200mm, PNP, L-on, 2m cable, M2 mounting | 79.55 | 4547648590402 |
| 249830 | E3T-SR44 2M | Photoelectric sensor, retro-reflective, miniature, side view, 200 mm, PNP, D-on, 2 m cable, M2 mounting, Small reflector E39-R4 included | 105.10 | 4547648590372 |
| 156502 | E3T-ST11 2M | Photoelectric sensor, through-beam, 1m, DC, 3-wire, NPN, light-on, side-view, 2m cable (requires 2 brackets) | 121.30 | 4536853289805 |
| 130180 | E3T-ST12 2M | Photoelectric sensor, through-beam, 1m, DC, 3-wire, NPN, dark-on, side view, 2m cable (requires 2 brackets) | 119.00 | 4536853289812 |
| 130098 | E3T-ST13 2M | Photo-electric sensor, through-beam, miniature, side view, 1m, L-on, PNP, 2m cable | 118.60 | 4536854366321 |
| 130099 | E3T-ST14 2M | Photoelectric sensor, through-beam, 1m, DC, 3-wire, PNP, dark-on, side view, 2m cable (requires 2 brackets) | 117.70 | 4536854366338 |
| 224653 | E3T-ST23 2M | Photoelectric sensor, through-beam, miniature, side view, 300mm, PNP, light-on, 2m cable, M2 mounting | 134.60 | 4536854914126 |
| 224649 | E3T-ST24 2M | Photoelectric sensor, through-beam, miniature, side view, 300mm, PNP, D-on, 2m cable, M2 mounting | 123.70 | 4536854914096 |

Photo microsensor in plastic fork shape housing



For smaller size see the EE-SX95. For larger fork size sensors see the E3Z-G.

- Response frequency up to 1 kHz
- Wide operating voltage range: 5 to 24 VDC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 392303 | EE-SX472 | Photo micro sensor, slot type, T-shaped, L-ON, NPN, connector | 7.60 | 4548583476011 |
| 392304 | EE-SX473 | Photo micro sensor, slot type, close-mounting, L-ON, NPN, connector | 10.80 | 4548583476028 |
| 392306 | EE-SX670 | Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, NPN, connector | 10.04 | 4548583476042 |
| 392307 | EE-SX670A | Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, NPN, connector | 10.40 | 4548583476059 |
| 392308 | EE-SX670P | Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, connector | 17.23 | 4548583476080 |
| 237964 | EE-SX670P-WR 1M | Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, 1 m robotic cable | 21.60 | 4547648354639 |
| 392309 | EE-SX670R | Photo micro sensor, slot type, standard shape, L-ON/D-ON selectable, PNP, connector | 13.94 | 4548583476097 |
| 237956 | EE-SX670-WR 1M | Photomicro sensor | 15.81 | 4547648354554 |
| 392310 | EE-SX671 | Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, NPN, connector | 9.55 | 4548583476073 |
| 392311 | EE-SX671A | Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, NPN, connector | 10.40 | 4548583476103 |
| 392312 | EE-SX671P | Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, PNP, connector | 16.89 | 4548583476110 |
| 392313 | EE-SX671R | Photo micro sensor, slot type, L-shaped, L-ON/D-ON selectable, PNP, connector | 13.94 | 4548583476127 |
| 392314 | EE-SX672 | Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector | 10.40 | 4548583476134 |
| 392315 | EE-SX672A | Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector | 9.90 | 4548583476141 |
| 392316 | EE-SX672P | Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, PNP, connector | 14.32 | 4548583476158 |
| 237966 | EE-SX672P-WR 1M | Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, PNP, 1 m robotic cable | 17.13 | 4547648354677 |
| 237958 | EE-SX672-WR 1M | Photomicro sensor | 18.03 | 4547648354578 |
| 392318 | EE-SX673 | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector | 8.09 | 4548583476172 |
| 392319 | EE-SX673A | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector | 10.27 | 4548583476189 |
| 392320 | EE-SX673R | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, PNP, connector | 16.52 | 4548583476202 |
| 392321 | EE-SX674 | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector | 12.81 | 4548583476219 |
| 392322 | EE-SX674A | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, NPN, connector | 14.40 | 4548583476226 |
| 392323 | EE-SX674P | Photo micro sensor, slot type, Close-mounting, L-ON/D-ON selectable, PNP, connector | 20.91 | 4548583476233 |
| 237968 | EE-SX674P-WR 1M | Photomicro sensor, close mounting, PNP, Dark ON indicator, pre wired 2 m | 18.33 | 4547648354691 |
| 237960 | EE-SX674-WR 1M | Photomicro sensor | 13.82 | 4547648354592 |
| 392325 | EE-SX675 | Photo micro sensor, slot type, T-shaped, L-ON/D-ON selectable, NPN, connector | 11.39 | 4548583476257 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 127848 | EE-1010 2M | Accessory Photomicro sensor EE-SPX_03, cable connector, PVC, 2m | 5.52 | 4536853231057 |

Ultra-compact fork shape Photomicrosensor

The small sized photo microsensors are ideally suited for the detection of machine parts where space is crucial.

- Mounting with M3 or M2 screws
- Bright indicator LEDs for high visibility from many directions.
- Antivalent output (L-ON/D-ON)
- Load short-circuit protection circuit

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 378495 | EE-SX951P-R 1M | Photo micro sensor, slot type, PNP, 1 m robotic cable | 15.91 | 4548583416796 |
| 378485 | EE-SX951P-W 1M | Photo micro sensor, slot type, PNP, 1 m cable | 15.06 | 4548583416741 |
| 378492 | EE-SX951-R 1M | Photo micro sensor, slot type, NPN, 1 m robotic cable | 19.11 | 4548583416697 |
| 378496 | EE-SX952P-R 1M | Photo micro sensor, slot type, PNP, 1 m robotic cable | 19.39 | 4548583416802 |
| 378486 | EE-SX952P-W 1M | Photo micro sensor, slot type, PNP, 1 m cable | 13.16 | 4548583416758 |
| 378490 | EE-SX953-R 1M | Photo micro sensor, slot type, NPN, 1 m robotic cable | 16.52 | 4548583416710 |
| 378498 | EE-SX954P-R 1M | Photo micro sensor, slot type, PNP, 1 m robotic cable | 19.39 | 4548583416826 |
| 378493 | EE-SX954-R 1M | Photo micro sensor, slot type, NPN, 1 m robotic cable | 20.81 | 4548583416727 |

Photomicrosensor in plastic fork shape housing

Standard photomicrosensors with 50 mA direct switching capacity for the accurate detection of machine parts or small objects independent of material or magnetic fields and at best value for money.

- Response frequency up to 1 kHz
- Space saving housing and connector integration

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 335082 | EE-SX972P-C1 | Photomicro sensor, slot type, T-shape, 5 mm, PNP, connector | 21.60 | 4547648822336 |

Photomicrosensor in thin fork shape plastic housing



Thin shaped photomicrosensor for space saving mounting.

- Compact, thin profile enables mounting where space is crucial
- Indicator is visible from both sides
- Operating voltage range: 5 to 24 VDC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 127668 | EE-SX770 2M | Photomicro sensor, slim, 5mm slot, D-on, NPN, 2m cable | 44.87 | 4536854355509 |
| 127669 | EE-SX770A 2M | Photomicro sensor | 30.01 | 4536854355516 |
| 127688 | EE-SX770P | Photomicro sensor, slim, 5mm slot, D-on, PNP, 2m cable | 29.58 | 4536854402371 |
| 127672 | EE-SX771 2M | Photomicro sensor, slim, L-shape, D-on, NPN, 2m cable | 31.98 | 4536854355547 |
| 127673 | EE-SX771A 2M | Photomicro sensor | 30.41 | 4536854355554 |
| 127689 | EE-SX771P | Photomicro sensor, slim, 5mm slot, L-shaped, D-on, PNP, 2m cable | 29.00 | 4536854402388 |
| 127597 | EE-SX771R | Photomicro sensor | 29.20 | 4536854402456 |
| 127675 | EE-SX772 2M | Photomicro sensor, slot type, slim, T-shaped, NPN, 2 m cable | 30.01 | 4536854356728 |
| 151458 | EE-SX772A 2M | Photomicro sensor, slim, 5mm slot, T-shaped, without incident light indicator, D-ON, NPN, 2 m cable | 30.41 | 4536854356735 |
| 127594 | EE-SX772P | Photomicro sensor, slim, 5mm slot, T-shaped, D-on, PNP, 2m cable | 27.98 | 4536854402395 |
| 127598 | EE-SX772R | Photomicro sensor | 28.82 | 4536854402463 |
| 142714 | EE-SX870P | Photomicro sensor, slim, 5mm slot, L-on, PNP, 2m cable | 29.00 | 4536854402401 |
| 127674 | EE-SX871 2M | Photomicro sensor, L-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, NPN, 2M | 30.41 | 4536854355561 |
| 127595 | EE-SX871P | Photomicro sensor, L-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, PNP, 2M | 26.39 | 4536854402418 |
| 127676 | EE-SX872 2M | Photomicro sensor, T-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, NPN, 2M | 31.98 | 4536854356742 |
| 104676 | EE-SX872A 2M | Photo micro sensor, T-shaped 5 mm slot with, L-ON, No incident light, 5 to 24 VDC, NPN, 2 m | 31.98 | 4536854356759 |
| 103843 | EE-SX872P | Photomicro sensor, T-shaped 5mm slot with, L-ON, Incident light, 5-24 Vdc, PNP, 2M | 29.00 | 4536854402425 |

Photomicrosensor in plastic fork shape housing



With a slot width of 13mm the EE-SPX_03 provides stable detection of machine parts or smaller objects.

- 13mm slot width
- 12 to 24 VDC supply voltage

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 324057 | EE-SPX303N | Photomicro sensor, slot type, 13 mm, D-on, NPN, connector | 25.58 | 4547648766548 |
| 324058 | EE-SPX403N | Photomicro sensor, slot type, 13 mm, NPN, connector | 23.19 | 4547648766555 |



High precision laser sensor with separate amplifier

The separate amplifier laser sensors feature a comprehensive range of sensing heads with variable spot and advanced CMOS sensing heads for high precision positioning and demanding applications.

- High detection stability independent from color or surface structure
- Lens attachments for line beam applications
- Easy installation due to adjustable focus and smart tune functions
- Sensor heads with up to 1.2 m sensing distance covering a wide range of applications
- High speed network connectivity to EtherCat fieldbus

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 375078 | E3NC-LA21 2M | Photoelectric sensor, Laser amplifier, Smart tuning, NPN, double output, external input, 2m cable | 206.40 | 4548583374980 |
| 375079 | E3NC-LA51 2M | Photoelectric sensor, Laser amplifier, Smart tuning, PNP, double output, external input, 2m cable | 206.40 | 4548583374997 |
| 375086 | E3NC-LH01 2M | Laser sensor head, 55-85mm, 0.1 mm spot | 267.70 | 4548583376144 |
| 375085 | E3NC-LH02 2M | Laser sensor head, 1200 mm, 0.8 mm spot adjustable | 267.70 | 4548583376137 |
| 392637 | E3NC-LH03 2M | Laser sensor head, retro-reflective, 8m, 2 mm spot | 225.00 | 4548583489318 |
| 375071 | E3NC-SA51 2M | Photoelectric sensor, CMOS Laser amplifier, Smart tuning, PNP, double output, external input, 2m cable | 206.40 | 4548583376090 |
| 375074 | E3NC-SH100 2M | CMOS Laser sensor head, 35-100mm, 1 mm spot | 378.60 | 4548583376151 |
| 375077 | E3NC-SH250 2M | CMOS Laser sensor head, 35-250mm, 0.5 mm spot | 378.60 | 4548583376168 |

E3C-LDA

Separated amplifier



High precision LASER sensor with separate amplifier

The separate amplifier high-precision photoelectric sensors feature a large variety of different LASER sensing heads for highest precision positioning and object detection.

- Easy installation due to adjustable focus point and optical axis
- Wide range sensor head portfolio with different laser beam shapes
- Controller functions with easy wiring concept and power tuning function

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 131199 | E3C-LD11 2M | Laser sensor head, diffuse reflective, "Spot beam" type, 2 m cable | 376.70 | 4536854894503 |
| 131200 | E3C-LD21 2M | Laser sensor head, diffuse reflective, "Line beam" type | 471.80 | 4536854894510 |
| 142564 | E3C-LDA41 2M | Photoelectric sensor, Laser amplifier, twin output, DC, PNP, 2m cable | 269.30 | 4536854907760 |
| 131205 | E3C-LDA51 2M | Photoelectric sensor, Laser amplifier, external input, DC, PNP, 2m cable | 281.60 | 4536854907807 |
| 162304 | E3C-LR11 2M | Laser sensor head, coaxial retro-reflective, variable spot (requires reflector) | 383.10 | 4536854958281 |
| 163373 | E3C-LR12 2M | Laser sensor head, coaxial retro-reflective, 2mm fixed spot (requires reflector) | 381.40 | 4536854958298 |

Additional photoelectric sensors

Additional photoelectric sensors

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 130510 | E3S-AD11 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, horizontal, 2 m cable | 102.70 | 4536853282233 |
| 143232 | E3S-AD12 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN, horizontal, 2 m cable | 102.10 | 4536853282257 |
| 142140 | E3S-AD13 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, NPN, horizontal, 2 m cable | 108.50 | 4536853283872 |
| 155083 | E3S-AD31 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, horizontal, 2 m cable | 104.00 | 4536853282493 |
| 149804 | E3S-AD32 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, horizontal, 2 m cable | 102.40 | 4536853282516 |
| 147715 | E3S-AD33 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, horizontal, 2 m cable | 119.30 | 4536853283858 |
| 130433 | E3S-AD36 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, horizontal, M12 plug-in | 108.50 | 4536853282578 |
| 104096 | E3S-AD37 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, horizontal, M12 plug-in | 109.80 | 4536853282585 |
| 104101 | E3S-AD38 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, horizontal, M12 plug-in | 114.20 | 4536853283780 |
| 130445 | E3S-AD61 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, vertical, 2 m cable | 102.70 | 4536853282752 |
| 144400 | E3S-AD63 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, NPN, vertical, 2 m cable | 110.70 | 4536853283698 |
| 157686 | E3S-AD66 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, NPN, vertical, M12 plug-in | 107.70 | 4536853282837 |
| 130456 | E3S-AD81 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, vertical, 2 m cable | 105.60 | 4536853283018 |
| 142136 | E3S-AD82 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, vertical, 2 m cable | 102.40 | 4536853283032 |
| 130404 | E3S-AD83 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, vertical, 2 m cable | 108.80 | 4536853283827 |
| 130461 | E3S-AD86 | Photoelectric sensor, diffuse, 200 mm, DC, 3-wire, PNP, vertical, M12 plug-in | 108.50 | 4536853283094 |
| 130462 | E3S-AD87 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, PNP, vertical, M12 plug-in | 107.70 | 4536853283100 |
| 130402 | E3S-AD88 | Photoelectric sensor, diffuse, 100 mm, DC, 3-wire, PNP, vertical, M12 plug-in | 113.90 | 4536853283773 |
| 142134 | E3S-AR11 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, NPN, horizontal, 2 m cable | 114.90 | 4536853282219 |
| 130428 | E3S-AR31 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, horizontal, 2 m cable | 114.90 | 4536853282479 |
| 130432 | E3S-AR36 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, horizontal, M12 plug-in | 118.80 | 4536853282561 |
| 152076 | E3S-AR61 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, NPN, vertical, 2 m cable | 114.50 | 4536853282738 |
| 130455 | E3S-AR81 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, vertical, 2 m cable | 114.90 | 4536853282998 |
| 130460 | E3S-AR86 | Photoelectric sensor, retroreflective, 2 m, DC, 3-wire, PNP, vertical, M12 plug-in | 118.80 | 4536853283087 |
| 130506 | E3S-AT11 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, NPN, horizontal, 2 m cable | 139.40 | 4536853282172 |
| 130521 | E3S-AT31 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, horizontal, 2 m cable | 141.20 | 4536853282431 |
| 130430 | E3S-AT36 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, horizontal, M12 plug-in | 149.70 | 4536853282530 |
| 154285 | E3S-AT61 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, NPN, vertical, 2 m cable | 139.40 | 4536853282691 |
| 130454 | E3S-AT81 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, vertical, 2 m cable | 141.20 | 4536853282950 |
| 130458 | E3S-AT86 | Photoelectric sensor, through-beam, 7 m, DC, 3-wire, PNP, vertical, M12 plug-in | 149.70 | 4536853283056 |
| 239839 | E3S-CD11 2M | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, horizontal, 2 m cable | 151.00 | 4547648357180 |
| 239840 | E3S-CD12 2M | Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, horizontal, 2m cable | 159.70 | 4547648357197 |
| 239827 | E3S-CD16 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in | 172.60 | 4547648357593 |
| 239828 | E3S-CD17 | Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in | 171.10 | 4547648357609 |
| 239811 | E3S-CD61 2M | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, 2 m cable | 146.60 | 4547648357227 |
| 239806 | E3S-CD61-M1J 0.3M | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, 0.3 m cable with M12 connector | 155.10 | 4547648357395 |
| 239812 | E3S-CD62 2M | Photoelectric sensor, diffuse, 2m, DC, 3-wire, NPN/PNP, vertical, 2m cable | 161.50 | 4547648357234 |
| 239829 | E3S-CD66 | Photoelectric sensor, diffuse, 700 mm, DC, 3-wire, NPN/PNP, vertical, M12 plug-in | 179.50 | 4547648357616 |
| 239838 | E3S-CR11 2M | Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, horizontal, 2m cable | 149.70 | 4547648357173 |
| 239842 | E3S-CR61 2M | Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, vertical, 2m cable | 147.70 | 4547648357210 |
| 239845 | E3S-CR66 | Photoelectric sensor, retro-reflective, 3m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in | 156.10 | 4547648357494 |
| 239837 | E3S-CT11 2M | Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, horizontal, 2m cable | 199.80 | 4547648357166 |
| 239823 | E3S-CT11-D 5M | Photoelectric sensor, through-beam receiver, 30 m range, Oil-resistant, DC, 3-wire, PNP/NPN, 5 m cable | 149.50 | 4547648357463 |
| 239846 | E3S-CT16 | Photoelectric sensor, through-beam, 30 m, DC, 3-wire, NPN/PNP, horizontal, M12 plug-in | 229.80 | 4547648357531 |
| 239841 | E3S-CT61 2M | Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, vertical, 2m cable | 212.80 | 4547648357203 |
| 239817 | E3S-CT61 5M | Photoelectric sensor, through-beam, 30 m, DC, 3-wire, NPN/PNP, vertical, 5 m cable | 226.70 | 4547648357302 |
| 239825 | E3S-CT61-D 5M | Photoelectric sensor, through-beam receiver, Sn=12 m, NPN/PNP, zinc diecast, 5 m PVC cable | 149.50 | 4547648357487 |
| 239824 | E3S-CT61-L 5M | Photoelectric sensor, through-beam emitter, Sn=12 m, zinc diecast, 5 m PVC cable | 103.70 | 4547648357470 |
| 239847 | E3S-CT66 | Photoelectric sensor, through-beam, 30m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in | 195.10 | 4547648357562 |
| 239826 | E3S-CT66-D | Photoelectric sensor, through-beam receiver, 30 m, DC, 3-wire, NPN/PNP, vertical, M12 plug-in | 171.90 | 4547648357586 |
| 130258 | E3S-GS3B4 | Photoelectric sensor, slot, 30 mm, DC, 3-wire, PNP, 2 m cable | 163.00 | 4536853286194 |
| 130246 | E3S-GS3E4 | Photoelectric sensor, slot, 30 mm, DC, 3-wire, NPN, 2 m cable | 145.30 | 4536853285937 |
| 130256 | E3S-LS10XB4 | Photoelectric sensor, definite, 30 to 100 mm, DC, 3-wire, PNP, 2 m cable | 184.40 | 4536853286132 |
| 130243 | E3S-LS10XE4 | Photoelectric sensor, definite, 30 to 100 mm, DC, 3-wire, NPN, 2 m cable | 184.40 | 4536853285876 |
| 130257 | E3S-LS20XB4 | Photoelectric sensor, definite, 50 to 250 mm, DC, 3-wire, PNP, 2 m cable | 184.40 | 4536853286156 |
| 130244 | E3S-LS20XE4 | Photoelectric sensor, definite, 50 to 250 mm, DC, 3-wire, NPN, 2 m cable | 184.40 | 4536853285890 |
| 130422 | E3S-R17 | Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, NPN, horizontal, M12 plug-in | 135.70 | 4536853284244 |
| 130355 | E3S-R36 | Photoelectric sensor, retroreflective, 1 m, DC, 3-wire, PNP, horizontal, M12 plug-in | 132.90 | 4536853284718 |
| 130356 | E3S-R37 | Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, PNP, horizontal, M12 plug-in | 127.40 | 4536853284725 |
| 130423 | E3S-R67 | Photoelectric sensor, retroreflective, 300mm, DC, 3-wire, NPN, vertical, M12 plug-in | 132.90 | 4536853284251 |
| 130359 | E3S-R86 | Photoelectric sensor, retroreflective, 1 m, DC, 3-wire, PNP, vertical, M12 plug-in | 129.50 | 4536853284756 |
| 130360 | E3S-R87 | Photoelectric sensor, retroreflective, 300 mm, DC, 3-wire, PNP, vertical, M12 plug-in | 130.60 | 4536853284763 |
| 127753 | EE-SPX302-W2A 1M | Photomicro sensor, slot type, 3.6 mm, D-ON, NPN, 1 m cable | 32.82 | 4536854778513 |
| 225408 | EE-SPX302-W2A 2M | Photo micro sensor | 27.52 | 4536854778735 |
| 127750 | EE-SPX613 1M | Photomicro sensor, tube type, liquid level detection, L-ON/D-ON selectable, NPN, 1 m cable | 67.35 | 4536853234195 |
| 231172 | EE-SPX613 3M | Photomicro sensor, tube type, liquid level detection, L-ON/D-ON selectable, NPN, 3 m cable | 115.60 | 4536854827402 |
| 144819 | EE-SPY302 | Photomicro sensor, reflective type, vertical (axial), Sn=5 mm, D-ON, NPN, connector | 26.39 | 4536854778094 |
| 127752 | EE-SPY401 | Photomicro sensor, reflective type, horizontal (radial), Sn=5 mm, L-ON, NPN, connector | 21.60 | 4536854778087 |
| 158099 | EE-SPY402 | Photomicro sensor, reflective type, vertical (axial), Sn=5mm, L-ON, NPN, connector | 20.81 | 4536854778100 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 127758 | EE-SPY411 | Photomicro sensor, convergent reflective type, horizontal (radial), Sn=2-5 mm, L-ON, NPN, connector | 42.91 | 4536854778599 |
| 148065 | EE-SPY412 | Photomicro sensor, convergent reflective type, vertical (axial), Sn=2-5 mm, L-ON, NPN, connector | 33.40 | 4536854778605 |
| 127547 | EE-SY672 | Photomicro sensor, reflective type, vertical (axial), Sn=1-5mm (adjustable), L-ON/D-ON selectable, NPN, connector | 20.81 | 4536853238797 |
| 676805 | F3W-D052D 1M | Picking Sensor, Through Beam, Sensing distance 3 m, PNP output | 753.50 | 4549734111522 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 379735 | EE-1001 | Accessory Connector for Photomicrosensors, 4-pin, solder terminals | 1.68 | 4548583379572 |
| 154581 | EE-1003 | Accessory Photomicro sensor connector | 3.26 | 4536854886485 |
| 158029 | EE-1006 1M | Accessory Photomicro sensor connector with cable 1 m | 3.45 | 4536854831942 |
| 149189 | EE-1006 2M | Accessory Photomicro sensor connector with cable 2 m | 4.77 | 4536854831935 |
| 127851 | EE-1006 3M | Accessory Photomicro sensor connector with cable 3m | 5.09 | 4536854831959 |
| 335077 | EE-1017 3M | Connector with cable for photomicrosensor EE-SX97 series, 3 m | 19.39 | 4547648822398 |
| 127846 | EE-2002 | Accessory Photomicro sensor EE-SPX_03, NPN/PNP converter and cable connector, 0.5 m | 18.42 | 4536853230944 |

Photoelectric sensor accessories

Photoelectric sensor accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 143880 | E39-E11 | Mutual interference filters for the E3Z-TA models | 20.84 | 4536854555923 |
| 131393 | E39-L104 | Mounting bracket for E3Z sensor, standard, vertical mounting | 5.72 | 4536853296643 |
| 103300 | E39-L117 | Mounting bracket for E3T-S* sensor, rear mounting | 7.20 | 4536853296810 |
| 155635 | E39-L142 | Mounting Bracket, protective side wall (for E3Z) | 9.21 | 4536854552557 |
| 354104 | E39-L144 | Sensor mounting Bracket, Protective bracket for E3Z pre-wired | 11.99 | 4548583009004 |
| 142623 | E39-L151 | Sensor mounting Bracket, for E3Z, 200mm high post | 23.59 | 4536854806681 |
| 131427 | E39-L153 | Mounting bracket for E3Z sensor, L shape, for prewired | 5.28 | 4536854817274 |
| 370092 | E39-L182 | E3FA/R flush mounting bracket | 6.25 | 4548583328075 |
| 370093 | E39-L183 | M18 L-type mounting bracket, stainless steel (SUS304) | 6.25 | 4548583328082 |
| 348111 | E39-L40 | Accessory photosensor E3JK, mounting bracket | 2.21 | 4547648825344 |
| 131444 | E39-L43 | Mounting bracket for E3Z sensor, side mounting | 6.07 | 4536853295721 |
| 150902 | E39-L44 | Mounting bracket for E3Z sensor, rear mounting | 5.43 | 4536853295714 |
| 131429 | E39-L93FH | Mounting bracket for E3Z, 3D telescope mounting | 28.39 | 4536854907517 |
| 131430 | E39-L93H | Adjustable Pillar bracket for E3Z, E3SA, horizontal mount fixings | 27.98 | 4536854907531 |
| 131431 | E39-L93V | Adjustable Pillar bracket for E3Z, E3SA, Vertical mount fixings | 27.98 | 4536854907548 |
| 354103 | E39-L98 | Protective metal cover for E3S-A/E3Z vertical sensor | 15.61 | 4548583008991 |
| 358211 | E39-R1 | Accessory photosensor, reflector, 40 x 60 x 7.5 mm, ABS & Acrylic | 13.61 | 4548583065079 |
| 131424 | E39-R10 | Accessory photosensor, reflector, 52x62x8 mm, ABS & Acrylic | 15.20 | 4536854515217 |
| 163867 | E39-R12 | Reflector, E3C-LDA sensor, 23x23mm effective area | 35.37 | 4536854958304 |
| 163377 | E39-R13 | Reflector, E3C-LDA sensor, 7x7mm effective area | 24.64 | 4536854958311 |
| 659473 | E39-R15 | Reflector, stainless steel housing, 105 x 30 mm | 275.70 | 4548583750807 |
| 659474 | E39-R16 | Reflector, E3C-LDA, highest detergent resistance, SUS316L, 43x30x5 mm | 145.60 | 4548583750814 |
| 372980 | E39-R1K | Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic, anti-fogging coating | 32.82 | 4548583128873 |
| 372803 | E39-R1S | Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic | 7.60 | 4548583128910 |
| 372981 | E39-R2 | Accessory photosensor, reflector, 80.8x60x7.5 mm, ABS & Acrylic | 18.42 | 4548583128859 |
| 386286 | E39-R21 | Accessory photoelectric sensors, reflector, microtriple 30x35mm | 17.40 | 4548583489325 |
| 131460 | E39-R3 | Accessory photosensor, reflector, 42x22mm | 20.81 | 4536853295950 |
| 249845 | E39-R37-CA | Sensor reflector, high precision type, 14mm x 23mm | 9.59 | 4547648595193 |
| 131468 | E39-R4 | Accessory photosensor, reflector, 23x14mm | 21.20 | 4536853296193 |
| 356162 | E39-R40 | Accessory photosensor, reflector, 84.5x84.5x8.7 mm, ABS&Acrylic | 17.48 | 4547648923460 |
| 227165 | E39-R42 | Reflector 51x60 mm | 2.28 | 454764820358 |
| 270970 | E39-R50 | Reflector, 40x60mm, IP69K, detergent resistant | 32.82 | 4547648710107 |
| 270971 | E39-R51 | Reflector, 20x60mm, IP69K, detergent resistant | 20.03 | 4547648710114 |
| 356168 | E39-R6 | Reflector, 52x40mm, micro-triple surface | 9.29 | 4547648923521 |
| 356169 | E39-R7 | Sensor reflector, round, 84mm dia | 7.60 | 4547648923538 |
| 356170 | E39-R8 | Reflector 100x100mm | 14.05 | 4547648923545 |
| 154931 | E39-R9 | Reflector 35x42 mm | 13.61 | 4536854515200 |
| 235857 | E39-RP1 | Reflector, polarizing, to use with E3ZM-B, 44mm x 64mm | 20.10 | 4547648395526 |
| 131412 | E39-RS1 | Reflective tape, self adhesive, 35 x 10 mm | 7.99 | 4536854386329 |
| 145484 | E39-RS2 | Accessory photoelectric sensor, reflective tape, 40 x 35 x 0.6, self adhesive | 13.21 | 4536854386336 |
| 356172 | E39-RS25 5M | Accessory photoelectric sensor, reflective tape, 25 mm x 5 m | 93.05 | 4547648923569 |
| 131413 | E39-RS3 | Reflective tape, self-adhesive, 70x80mm | 26.01 | 4536854386343 |
| 165090 | E39-RS4 | Reflective tape, high precision microtripel, self adhesive, 195mm x 22mm | 116.60 | 4536854958335 |
| 165091 | E39-RS5 | Reflective tape, high precision microtripel, self adhesive, 108mm x 46mm | 132.10 | 4536854958342 |
| 356173 | E39-RS50 22.8M | Accessory photoelectric sensor, reflective tape, 50mm x 22.8m | 459.60 | 4547648923576 |
| 356174 | E39-RS50 5M | Accessory photoelectric sensor, reflective tape, 50 mm x 5 m | 191.10 | 4547648923583 |
| 131390 | E39-S61 | Slit for E3S-CT series | 18.03 | 4536853296582 |
| 145485 | E39-S65A | Slit for E3Z-T, 0.5mm diameter | 7.04 | 4536854499104 |
| 143240 | E39-S65B | Slit for E3Z-T, 1mm diameter | 7.76 | 4536854499111 |
| 131420 | E39-S65C | Slit for E3Z-T, 2mm diameter | 9.08 | 4536854499128 |
| 131421 | E39-S65D | Slit for E3Z-T, 0.5 x 10 mm dia. | 8.52 | 4536854499135 |
| 131422 | E39-S65E | Slit for E3Z-T, 1x10mm diameter | 9.21 | 4536854499142 |

High-performance color mark sensor



E3S-DC provides reliable color mark detection for standard as well as challenging applications, especially registration marks in packaging.

- Capability to distinguish slight color differences
- Fast response time of 50 µs
- Bank switching up to 9 memories
- RGB data transmission function
- Easy configuration by teach button or IO-link
- IO-link V1.1 communication and functionalities

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 670883 | E3S-DCN21 | Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50µs response time, NPN, M12 connector | 200.90 | 4548583819047 |
| 670884 | E3S-DCP21-IL2 | Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50µs response time, Push-Pull, IO-Link V1.1 communication COM2 (38.4kbps), M12 connector | 238.30 | 4548583819054 |
| 670885 | E3S-DCP21-IL3 | Registration mark sensor, diffuse, rectangular shape, IP67, 10 +/- 3mm, 50µs response time, Push-Pull, IO-Link V1.1 communication COM3 (230.4kbps), M12 connector | 238.30 | 4548583819061 |



High-performance color mark sensor

E3NX-CA provides reliable color mark detection for standard as well as challenging applications. The separate sensing head setup allows the easy adaption to the mounting requirements even when space is crucial.

- Capability to distinguish slight color differences
- Response speed of 50 µs using contrast mode
- Bank switching up to 8 memories
- RGB data transmission function
- Easy teaching by Smart Tuning within a few seconds
- EtherCAT communication unit for high-speed fieldbus connectivity

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 671058 | E3NX-CA41 2M | Fiber amplifier, standard model, color mark detection white LED, PNP output, smart tuning, 2m cable | 206.20 | 4548583802605 |
| 671059 | E3NX-CA51 2M | Fiber amplifier, advanced model, color mark detection white LED, PNP output, smart tuning, 2m cable | 247.70 | 4548583802612 |



Print mark detection photoelectric sensor in compact stainless steel housing

The detergent resistant photoelectric sensor in a robust stainless steel housing provides reliable detection of all common print marks in food packaging applications.

- White LED for stable detection of differently coloured or black print marks
- SUS 316L stainless steel housing
- Easy-to-use teach-in button
- Fast response time of 50µs

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 332046 | E3ZM-V61 2M | Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, NPN, 2m cable | 201.70 | 4547648689311 |
| 332048 | E3ZM-V66 | Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, NPN, M8 4-pin connector | 199.40 | 4547648689359 |
| 326595 | E3ZM-V81 2M | Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, PNP, 2m cable | 200.90 | 4547648689335 |
| 326596 | E3ZM-V81 5M | Colour mark sensor, diffuse, 12 +/- 2 mm, 50µs response time, stainless steel body, IP69K, PNP | 209.00 | 4547648689342 |
| 332049 | E3ZM-V86 | Registration mark sensor, diffuse, 12 +/- 2mm, 50µs response time, stainless steel body, IP69K, PNP, M8 4-pin connector | 198.40 | 4547648689366 |



Measuring light curtains in robust aluminium housing

The F3EM2 provides easy to install and set up height and profile measurement. The analogue output provides simple overall height detection and the serial output models provide single beam evaluation for profile measurements.

- Robust aluminium housing
- Analogue output for simple height detections
- Serial output with single beam evaluation for profile measurement
- Various output modes to adapt output data to the given application

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 365873 | F3EM2-005-150-AV | Measuring light curtain, 5mm resolution, 150mm height, analog output | 982.00 | 4548583326996 |
| 365875 | F3EM2-005-300-AV | Measuring light curtain, 5mm resolution, 300mm height, analog output | 1,477.00 | 4548583327016 |
| 365879 | F3EM2-005-600-AV | Measuring light curtain, 5mm resolution, 600mm height, analog output | 2,464.00 | 4548583327054 |
| 365884 | F3EM2-018-1200-AV | Measuring light curtain, 18mm resolution, 1200mm height, analog output | 1,842.00 | 4548583327108 |



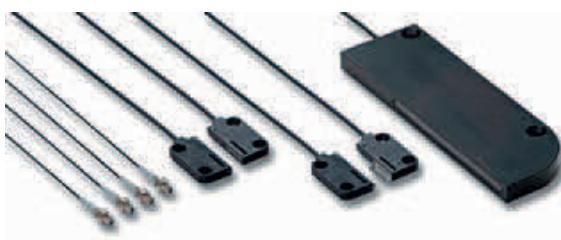
Lightcurtain in robust aluminium housing

The F3ET2 lightcurtains provide a reliable area monitoring in a robust housing. The optical synchronisation between emitter and receiver allow a fast and simple installation without special requirements.

- Optical synchronisation for reliable operation without additional wiring
- Robust aluminium housing
- NPN/PNP and light on/dark on selectable

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 365856 | F3ET2-005-150 | Light curtain, 5mm resolution, 150mm height, NPN/PNP output | 982.00 | 4548583326828 |
| 365858 | F3ET2-005-300 | Light curtain, 5mm resolution, 300mm height, NPN/PNP output | 1,477.00 | 4548583326842 |
| 365857 | F3ET2-018-150 | Light curtain, 18mm resolution, 150mm height, NPN/PNP output | 655.50 | 4548583326835 |
| 365859 | F3ET2-018-300 | Light curtain, 18mm resolution, 300mm height, NPN/PNP output | 822.50 | 4548583326859 |

Area monitoring fiber sensor heads



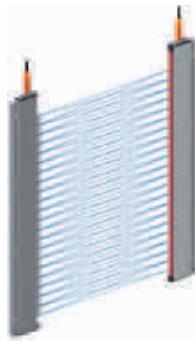
The area monitoring fibers allow the detection of objects passing anywhere through the detection range and can be used for height comparisons of different objects.

- Area monitoring up to 70 mm height
- Multi-beam sensor with 4 separate heads for flexible detection points
- Standard or high flex fibers

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 656858 | E32-ET16WR-1 2M | Fiber optic sensor, through-beam, 70mm curtain, 2m cable | 674.50 | 4548583737891 |
| 656836 | E32-ET16WR-2 2M | Fiber optic sensor, through-beam, 50mm curtain, 2m cable | 693.50 | 4548583737907 |
| 357343 | E32-T16 2M | Fiber optic sensor, through-beam, area detection, 10mm area, R25 fiber, 2m cable | 163.90 | 4548583049062 |
| 357342 | E32-T16 5M | Fiber optic sensor, through-beam, square right angle head, area detection (10mm), standard R25 fibre, 5m cable | 167.90 | 4548583049079 |
| 356125 | E32-T16J 2M | Fiber optic sensor, through-beam, area detection, 11mm area, standard fiber R10, 2m cable | 466.90 | 4548583049000 |
| 356124 | E32-T16P 2M | Fiber optic sensor, through-beam, area detection, 11mm area, R10 fiber, 2m cable | 202.60 | 4548583049890 |
| 357346 | E32-T16W 2M | Fiber optic sensor, through-beam, area detection, 30mm area, R10 fiber, 2m cable | 466.90 | 4548583048997 |
| 357348 | E32-T16WR 2M | Fiber optic sensor, through-beam, area detection, 30mm area, high-flex fiber R1, 2m cable | 538.50 | 4548583049055 |

F3E Lightcurtains and area sensors

Light curtain in thin aluminium housing



The crossing of the multiple sensorbeams provides a reliable area monitoring in a thin, easy to install housing. The thin housing makes the light curtain ideal for the installation where space is crucial.

- Thin 9 mm shape for easy design-in in elevator constructions
- High ambient light immunity
- Robust aluminium housing
- Fulfils requirements of EN81-70 (1800 mm models) for mounting in elevators

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 235624 | F3E-06-T6 | Light curtain, through-beam, 5m, pitch 40mm, potentialfree output, M8 4-pin connector, detection area 200mm | 247.40 | 4536853911218 |
| 231744 | F3E-16-T6 | Light curtain, through-beam, 5m, pitch 120mm, potentialfree output, M8 4-pin plug-in, detection area 1800mm | 430.10 | 4536853908485 |

E32 Standard cylindrical

Fiber sensor heads



Standard cylindrical fiber sensor heads

The standard cylindrical fiber optic sensing heads provide reliable object detection, easy installation and long sensor lifetime for all general applications.

- High-flex fibers and 90° cable exit for cable breakage prevention
- Models with hexagonal back for simplified one-nut mounting
- Sizes M3 to M6

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 374494 | E32-D11N 2M | Fiber optic sensor, diffuse, M6 side view, 2m cable | 131.40 | 4548583336124 |
| 182524 | E32-D14L 2M | Fiber optic sensor, diffuse, 6mm diameter, long side view, 2m cable (requires E3X amplifier) | 107.70 | 4547648094924 |
| 379167 | E32-D211 2M | Fiber optic sensor, diffuse, M4 head, standard R10 fiber, 2 m cable | 33.88 | 4548583413863 |
| 379168 | E32-D211R 2M | Fiber optic sensor, diffuse, M4 head, high flex R1, 2 m cable | 84.50 | 4548583413870 |
| 383729 | E32-D21N 2M | Fiber optic sensor, diffuse, M4 hex right-angled head, high-flex R2 fiber, 2 m cable | 81.80 | 4548583487833 |
| 182959 | E32-DC200 | Fiber optic sensor, diffuse, M6, 2m cable | 27.68 | 4547648094986 |
| 182804 | E32-DC200E 2M | Fiber optic sensor, diffuse, M3, 2m cable | 36.51 | 4547648094993 |
| 182799 | E32-DC500 5M | Fiber optic sensor, diffuse, M6, 5m | 60.70 | 4547648094764 |
| 357347 | E32-R21 2M | Fiber optic sensor, retro-reflective, M6 head, R10 fiber, 2m cable | 152.90 | 4548583049130 |
| 374495 | E32-T11N 2M | Fiber optic sensor, through-beam, M4 side view, 2m cable | 102.00 | 4548583336117 |
| 356136 | E32-T11R 2M | Fiber optic sensor, through-beam, M4 head, high flex R1 fibre, 2m cable | 53.15 | 4548583049147 |
| 182801 | E32-TC200 2M | Fiber optic sensor, through-beam, M4, 2m cable | 32.18 | 4547648094870 |
| 182803 | E32-TC200E 2M | Fiber optic sensor, through-beam, M3, 2m cable | 45.32 | 4547648094894 |

E32 Square shape

Fiber sensor heads



Square shape fiber sensor heads

The fiber heads in square shaped housing provide fast and easy installation on flat surfaces.

- Models with sensing direction in X, Y or Z axis
- 3 or 4mm thick housings for minimal height requirement
- Standard or high-flex fibers

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 379164 | E32-D15XR 2M | Fiber optic sensor, diffuse, square head, high flex R1 fiber, 2 m cable | 126.90 | 4548583413825 |
| 172129 | E32-D15Y 2M | Fiber optic sensor, diffuse, square shape, standard R25 fiber, 2m cable | 107.20 | 4547648018081 |
| 656843 | E32-ETS14R 2M | Fiber optic sensor, through-beam, rectangular body, side view, high flex, 2m cable | 155.20 | 4548583737969 |
| 379197 | E32-T15YR 2M | fiber optic sensor, through-beam, square side view, high flex R1 fiber, 2m cable | 159.10 | 4548583414174 |



Miniature fiber sensor heads

The miniature fiber heads provide high accuracy in smallest spaces and reliable detection of minute objects.

- Sizes from dia 500 µm to 3 mm
- Side view models with precision axis alignment for highest accuracy
- Bendable sleeves for precision positioning

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 357351 | E32-D22R 2M | Fiber optic sensor, diffuse, miniature shape, dia 3mm, high-flex fiber R1, 2m cable | 75.00 | 4548583049222 |
| 374487 | E32-D24 2M | Fiber optic sensor, diffuse, 3mm diameter, side view, 2m cable | 81.05 | 4548583336148 |
| 379169 | E32-D24R 2M | Fibre optic sensor, diffuse, 2mm dia right-angle head, flexible R1 fibre, 2m cable | 129.60 | 4548583413900 |
| 182528 | E32-D32 2M | Fiber optic sensor, diffuse, 2mm diameter, coaxial, 2m cable | 61.40 | 4547648094979 |
| 182796 | E32-D33 2M | Fiber optic sensor, diffuse, 3mm dia, needle, 2m cable | 64.45 | 4547648094733 |
| 182797 | E32-DC200B 2M | Fiber optic sensor, diffuse, M6 with 90mm bendable sleeve | 47.39 | 4547648094740 |
| 182798 | E32-DC200B4 2M | Fiber optic sensor, diffuse, dia 2.5mm head with bendable sleeve, standard fiber R25, 2m cable | 58.00 | 4547648094757 |
| 379176 | E32-DC200F4 | Fiber optic sensor, diffuse, M3 head with 1.2mm dia sleeve, R10, 2m cable | 70.25 | 4548583413993 |
| 356130 | E32-T12R 2M | Fiber optic sensor, through-beam, miniature shape, dia 3mm, high-flex fiber R1, 2m cable | 54.50 | 4548583049178 |
| 182517 | E32-T14L 2M | Fiber optic sensor, through-beam, long-distance, 2m cable | 114.20 | 4547648094818 |
| 182520 | E32-T22 2M | Fiber optic sensor, through-beam, 2mm dia head, standard R10 fiber, 2m cable | 58.30 | 4547648094849 |
| 374488 | E32-T24 2M | Fiber optic sensor, through-beam, 1mm, side-view, 2m cable | 109.30 | 4548583336155 |
| 379191 | E32-TC200B | Fiber optic sensor, through-beam, M4 head with 1.2mm sleeve, standard R25 fiber, 2m cable | 64.45 | 4548583414303 |



Longer distance fiber sensor heads

With built-in focal lenses the longer distance fiber heads provide enhanced operational stability in dusty environments or long distance applications

- Sensing distance up to 20 m
- Built-in focal lens
- Sizes from dia 2mm to M14

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 182523 | E32-D11L 2M | Photoelectric sensor optical fiber, diffuse, M6, long-distance, 2m cable (requires E3X amplifier) | 85.85 | 4547648094917 |
| 182526 | E32-D21L 2M | Fiber optic sensor, diffuse, M4, long-distance, 2m cable (requires E3X amplifier) | 92.40 | 4547648094955 |
| 182527 | E32-D22L 2M | Photoelectric sensor optical fiber, diffuse, 3 mm diameter, long-distance, 2 m cable (requires E3X amplifier) | 87.25 | 4547648094962 |
| 374457 | E32-LD11 2M | Fiber optic sensor, diffuse, M6 head with lens, long distance, standard R25 fiber, 2m cable | 44.66 | 4548583363458 |
| 374449 | E32-LT11 2M | Fiber optic sensor, through-beam, M4 head with lens, long distance, standard R25 fiber, 2m cable | 50.15 | 4548583336551 |
| 383735 | E32-LT11N 2M | Fiber optic sensor, through-beam, M4 hex right-angled head, integrated lens, high-flex R2 fiber, 2 m cable | 83.90 | 4548583485686 |
| 374450 | E32-LT11R 2M | Fiber optic sensor, through-beam, M4 head, long distance, high flex R1 fiber, 2m cable | 100.50 | 4548583336568 |
| 182515 | E32-T11L 2M | Photoelectric sensor optical fiber, through-beam, M4, long-distance, 2m cable (requires E3X amplifier) | 67.45 | 4547648094795 |
| 182516 | E32-T12L 2M | Fiber optic sensor, through-beam, dia 3mm head with lens, long distance, standard R25 fiber, 2m cable | 89.00 | 4547648094801 |
| 356129 | E32-T14 2M | Fiber optic sensor, through-beam, side view, 2m cable | 91.75 | 4548583049123 |
| 182519 | E32-T21L 2M | Fiber optic sensing head, through-beam, 2 m cable | 72.60 | 4547648094832 |
| 182802 | E32-TC200A 2M | Fiber optic sensor, through-beam, M3, 2m cable | 31.37 | 4547648094887 |



Heat resistant fiber sensor heads

The wide range of heat resistant fibers provides long sensor lifetime with highest protection in demanding environments.

- Heat resistant up to 400°C
- Sizes from dia 2 mm to M6
- Models for long distances or high detection accuracy

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 131592 | E32-D51 2M | Fibre optic sensor, diffuse, M6 head, temperature resistant (150 degC), R35 fibre, 2 m cable | 134.10 | 4536853292904 |
| 365161 | E32-D61 2M | Fiber optic sensor, diffuse, M6 head, heat resistant 350°C, R25 fiber, 2m cable, for E3X-NA/SD amp only | 316.60 | 4548583080454 |
| 369327 | E32-D61-S 2M | Fiber optic sensor, diffuse, M6 head, heat resistant 350°C, R25 fiber, 2m cable | 245.10 | 4548583080478 |
| 355403 | E32-T61-S 2M | Fiber optic sensor, through-beam, M4 head, heat resistant 350°C, R25 fiber, 2m cable | 312.00 | 4548583034495 |
| 355405 | E32-T61-S 5M | Fiber optic sensor, through-beam, M4 head, temperature resistant (350 degC), R25 fibre, 5 m cable | 871.50 | 4548583034518 |



Robot application fiber sensor heads

For applications on frequently or fast moving parts, the robot fibers reduce the risk of fiber breakage with a guaranteed operational life of more than 1 million bending cycles.

- Free moving multicore fibers for > 1 mio bending cycles
- Square shapes for easy surface installation
- Cylindrical sizes from dia 1.5 mm to M6

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 182522 | E32-D11 2M | Fiber optic sensor, diffuse, M6, robotic fiber R4, 2m cable | 48.68 | 4547648094900 |
| 182525 | E32-D21 2M | Fiber optic sensor, diffuse, M3, robotic fiber R4, 2m cable | 71.05 | 4547648094931 |
| 182958 | E32-D21B 2M | Fiber optic sensor, diffuse, M4, robotic fiber R4, 2m cable | 90.30 | 4547648094948 |
| 182795 | E32-D22B 2M | Fiber optic sensor, diffuse, dia 1.5mm head, high-flex fiber R1, 2m cable | 136.00 | 4547648094726 |
| 103780 | E32-DC200C | Photoelectric sensor optical fibre, diffuse, M6, 2m spiral flex cable (requires E3X amplifier) | 51.50 | 4536853293871 |
| 182514 | E32-T11 2M | Fiber optic sensor, through-beam, M4, 2m cable | 47.96 | 4547648094788 |
| 182957 | E32-T22B 2M | Fiber optic sensor, through-beam, dia 1.5mm head, robotic fiber R4, 2m cable | 81.20 | 4547648094856 |



Precision detection fiber sensor heads

Highest precision in design and manufacturing of the fibers and focal lenses ensure highest beam and spot accuracy allowing the detection of smallest objects and height differences of less than 100 µm.

- Coaxial fibers with focal lenses for spot diameters of 100 µm
- Through-beam models with highly focused beam and precise optical axis alignment
- Limited reflective models for height difference detection of less than 100 µm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 172351 | E32-A09 2M | Fiber optic sensor, limited reflective, 15 to 38mm, 2m cable | 409.10 | 4547648093569 |
| 383726 | E32-C21N 2M | Fiber optic sensor, diffuse, M3 hex right-angled head, co-axial, high-flex R2 fiber, 2 m cable | 113.50 | 4548583485747 |
| 411347 | E32-C31 2M | Fiber optic sensor, diffuse, coaxial, M3, R25 fiber, 2 m cable | 66.45 | 4547648095006 |
| 379159 | E32-C31N 2M | Fiber optic sensor, diffuse coaxial, M3 side view, high flex R4 fiber, 2m cable | 119.00 | 4548583413771 |
| 411346 | E32-C41 1M | Fiber optic sensor, diffuse, coaxial, M3, R25 fiber, 1 m cable | 88.70 | 4547648094771 |
| 182805 | E32-CC200 2M | Fiber optic sensor, diffuse coaxial, M6, standard fiber R25, 2m cable | 37.53 | 4547648095013 |
| 379161 | E32-CC200R | Fiber optic sensor, diffuse coaxial, M6, high flex R4 fiber, 2 m cable | 59.00 | 4548583413795 |
| 656864 | E32-EC31 6M | Fibre optic sensor, diffuse, M3 head, co-axial type, standard R25 fibre, 6 m cable | 94.10 | 4548583737600 |
| 392260 | E32-L15 2M | Diffuse fiber, 50 mm stand-off, 6 mm beam spot, 2 m cable | 183.30 | 4548583414020 |
| 392254 | E32-L25 | Fiber optic sensor, limited reflective, 2m cable | 78.45 | 4548583414044 |
| 357349 | E32-L25L 2M | Fiber optic sensor, limited reflective, label detection, 7mm, R10 fiber, 2m cable | 128.40 | 4548583049093 |
| 374492 | E32-T22S 2M | Fiber optic sensor, through-beam, 3mm dia head, standard R10 fiber, 2m cable | 114.20 | 4548583336216 |



Special application fiber sensor heads

For a wide range of special applications, the task optimised fiber heads provide best fitting sensing performance and adaption to environmental requirements.

- Detection of special objects (liquids, transparent foils, etc.)
- Fiber heads ideal for colour mark detection
- Fiber heads optimised for special tasks (wafer mapping, hot reflective surface detection, etc.)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 671062 | E32-C91N 2M | Fiber optic sensor, diffuse, M6 hex right-angled head, flexible R4 fiber, 2m cable | 114.70 | 4548583802643 |
| 356128 | E32-G14 | Fiber optic sensor, through-beam, 10mm slot, 2m cable | 167.20 | 4548583049260 |
| 374493 | E32-T24S 2M | Fiber optic sensor, through-beam, 3 mm dia. side view, standard R10 fiber, 2 m cable | 320.40 | 4548583336223 |



High-performance digital fiber amplifier

The E3NX-FA amplifier is best choice for most challenging fiber applications in terms of long sensing distance, minute object detection or high speed processes.

- Easy teaching by Smart tuning within a few seconds
- New N-Smart technology provides significant improvement for sensing distance, minimum object detection and speed
- Easy and transparent information about sensor status by Solution Viewer and Change Finder function
- EtherCAT Communication unit for high-speed field bus connectivity

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 375783 | E3NX-FA0 | Fiber amplifier, red LED, twin digital display, smart tuning, Fieldbus communication | 196.20 | 4548583375222 |
| 375081 | E3NX-FA11 2M | Fiber amplifier, twin digital display, smart tuning, NPN, single output, 2m cable | 180.60 | 4548583375123 |
| 681543 | E3NX-FA11AN 2M | Fiber amplifier, red LED, twin digital display, smart tuning, analog output, NPN output, 2 m cable | 227.00 | 4549734190442 |
| 375076 | E3NX-FA21 2M | Fiber amplifier, twin digital display, smart tuning, NPN, double output, external input, 2m cable | 196.20 | 4548583375130 |
| 375075 | E3NX-FA41 2M | Fiber amplifier, twin digital display, smart tuning, PNP, single output, 2m cable | 180.60 | 4548583375147 |
| 681545 | E3NX-FA41AN 2M | Fiber amplifier, red LED, twin digital display, smart tuning, analog output, PNP output, 2 m cable | 227.00 | 4549734190459 |
| 375073 | E3NX-FA51 2M | Fiber amplifier, twin digital display, smart tuning, PNP, double output, external input, 2m cable | 196.20 | 4548583375154 |
| 378463 | E3NX-FA54 | Fiber amplifier, twin digital display, smart tuning, PNP, single output, external input, M8 connector | 196.20 | 4548583424210 |
| 382424 | E3NX-FA54TW | Fiber amplifier, twin digital display, smart tuning, PNP, double output, M8 connector | 196.20 | 4548583424227 |
| 375065 | E3NX-FA8 | Fiber amplifier, twin digital display, smart tuning, PNP, single output, system connector | 180.60 | 4548583375185 |
| 375068 | E3NX-FA9TW | Fiber amplifier, twin digital display, smart tuning, PNP, double output, system connector | 196.20 | 4548583375215 |
| 681542 | E3NX-FAH41 2M | Fiber amplifier, infrared LED, twin digital display, smart tuning, PNP, single output, 2 m cable | 160.80 | 4549734190404 |



Smart Fiber Amplifier Units

2-channel Amplifier reduces installation space by half. Downsized Equipment and Control Panels

- The new 2 channel fiber amplifier unit has two-unit functions in the dimensions of the general one-unit, contributing to downsizing your equipment and control panels.
- Performance with highly stable detection and even two channels. From transparent objects to low-reflective workpieces.
- Easy to set the light intensity and threshold automatically.
- Wire-saving Connector models that reduce wiring work.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 681533 | E3NX-MA11 2M | Fiber amplifier, 2 fiber input, twin digital display, smart tuning, multiple functions, 2 NPN output, 2 m cable | 236.30 | 4548583514690 |
| 681532 | E3NX-MA41 2M | Fiber amplifier, 2 fiber input, twin digital display, smart tuning, multiple functions, 2 PNP output, 2 m cable | 236.30 | 4548583514713 |



Easy-teach digital fiber amplifier

The E3X-HD with 1-button Smart tune set-up provides fast and simple teaching. Dual digital display and advanced features make the E3X-HD ideal even for demanding applications.

- Easy teaching by Smart tuning within a few seconds
- Dynamic Power Control (DPC) for highest operational stability for changing environmental conditions or challenging objects
- M8 connector models
- EtherCAT and CompoNet Communication units for high-speed field bus connectivity

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 356808 | E3X-HD0 | Fiber amplifier for communication unit connection | 194.00 | 4548583104280 |



Single display digital fiber amplifier

E3X-SD allows easy one button setting and provides the best value performance ratio for standard applications.

- Auto-teaching during machine operation
- 2-point teaching within a few seconds
- Simple threshold adjustment with up/down keys

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 340860 | E3X-SD21 2M | Fiber amplifier, easy one button teach, one display, Giga ray LED, NPN, 2M | 112.40 | 4547648809221 |
| 340861 | E3X-SD51 2M | Fiber amplifier, easy one button teach, one display, Giga ray LED, PNP, 2M | 112.40 | 4547648809238 |
| 340863 | E3X-SD9 | Fiber amplifier, easy one button teach, one display, Giga ray LED, PNP, connector | 119.60 | 4547648809252 |

Digital fiber amplifier with potentiometer adjustment



The E3X-NA is the ideal amplifier for standard fiber applications providing quick & easy potentiometer adjustment and bargraph display.

- Easy adjustment with potentiometer
- Mutual interference prevention
- Enhanced water resistance types

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 239765 | E3X-NA11 2M | Amplifier with potentiometer, IP50, NPN output, 2m cable | 112.40 | 4547648358750 |
| 239773 | E3X-NA11V 2M | Amplifier with potentiometer, IP66, NPN output, 2m cable | 169.30 | 4547648358842 |
| 239766 | E3X-NA41 2M | Amplifier with potentiometer, IP50, PNP output, 2m cable | 112.40 | 4547648358767 |
| 239760 | E3X-NA41V 2M | Amplifier with potentiometer, IP66, PNP output, 2m cable | 166.20 | 4547648358859 |
| 239771 | E3X-NA44V | Amplifier with potentiometer, IP66, PNP output, M8 plug-in | 166.20 | 4547648358811 |
| 239777 | E3X-NA51 2M | Photoelectric sensor, optical fibre amplifier, bar LED display, diagnostic output, DC, 3-wire, PNP, 2m cable | 184.20 | 4547648358927 |
| 239770 | E3X-NA8 | Amplifier with potentiometer, IP50, PNP output, connector | 96.40 | 4547648358804 |
| 239767 | E3X-NAG11 2M | Amplifier, with potentiometer, mark detection, green LED, NPN output, 2m cable | 124.90 | 4547648358774 |
| 239768 | E3X-NAG41 2M | Amplifier, with potentiometer, mark detection, green LED, PNP output, 2m cable | 112.70 | 4547648358781 |

Fast response digital amplifier with potentiometer



The E3X-NA_F provides a very fast response time and is the ideal amplifier for high speed detection applications.

- Short turn on time of only 20 µs
- Easy adjustment with potentiometer

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 239772 | E3X-NA11F 2M | Fiber amplifier with potentiometer, fast respons time, NPN output, 2m cable | 192.60 | 4547648358828 |
| 239775 | E3X-NA41F 2M | Fiber amplifier with potentiometer, fast respons time, PNP output, 2m cable | 192.60 | 4547648358835 |



2-in-1 digital fiber amplifier

E3X-MDA incorporates 2 digital fiber amplifiers in one slimline housing. For applications requiring the detection of two objects simultaneously the E3X-MDA provides an easy to use operation saving space and set-up time.

- Two digital amplifiers in one slimline housing
- Twin output models – on/off or area (between two threshold values)
- Signal comparison functions (AND, OR, etc.)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 323853 | E3X-MDA11 2M | Fiber amplifier, 2 fiber input, AND/OR functions, 2 NPN output, 2m cable | 276.10 | 4547648647281 |
| 323855 | E3X-MDA41 2M | Fiber amplifier, 2 fiber input, AND/OR functions, 2 PNP output, 2m cable | 276.10 | 4547648647304 |
| 323856 | E3X-MDA8 | Fiber amplifier, 2 fiber input, AND/OR functions, 2 PNP output, connector | 266.50 | 4547648647311 |

Fiber optic sensor accessories

Fiber optic sensor accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 656850 | E39-EF51 | Sideview lens 90 deg for E32 fibre | 146.80 | 4548583738010 |
| 323182 | E39-F1 | Long-distance lens unit for E32 through-beam fibers with M2.6 thread | 45.90 | 4547648667876 |
| 155530 | E39-F10 | Connector for E32 optical fiber cable | 11.21 | 4536853297268 |
| 305601 | E39-F18 | Focal lens for E32-CC200 / E32-C11N, 50mm range | 192.30 | 4547648651134 |
| 323183 | E39-F2 | Focal lens, side view unit for E32 through-beam optical fibers | 74.25 | 4547648667883 |
| 106026 | E39-F32C 1M | Spiral protective tube for E32, M4, through-beam, optical fibers, 1m | 56.45 | 4536853297381 |
| 131359 | E39-F32C5 0.5M | Spiral protective tube for E32, M4, through-beam, optical fibers, 0.5m | 55.15 | 4536853297442 |
| 131357 | E39-F32D 1M | Spiral protective tube for E32, M6, diffuse, optical fibers, 1m | 38.63 | 4536853297398 |
| 323185 | E39-F3A | Small spot lens unit for E32-D32 optical fiber | 107.30 | 4547648667937 |
| 323188 | E39-F3A-5 | Focus lens for E32-EC41 fiber sensor head, 7mm focus length. 0.1mm spot | 85.85 | 4547648667968 |
| 323189 | E39-F3B | Focus lens for E32-EC31 fiber sensor head, 17mm focus length, 0.5mm spot | 88.85 | 4547648667975 |
| 131351 | E39-F4 | Cutter for all E32 optical fibers | 3.58 | 4536853297169 |
| 146998 | E39-F9 | Fine fiber attachment for E3X amplifiers | 5.91 | 4536853297251 |
| 130028 | E39-L143 | Sensor mounting Bracket, for E3X-NA, E3C-LDA, E2C-EDA | 8.43 | 4536854537578 |
| 375785 | E3NW-ECT | EtherCat communication unit for N-Smart sensors | 419.70 | 4548583375093 |
| 336330 | E3X-CN11 | Connector, 3-wire cable for master amplifier, 2 m cable | 14.96 | 4547648647717 |
| 336334 | E3X-CN11 5M | Connector, 3-wire, cable for master amplifier, 5 m cable | 21.29 | 4547648647755 |
| 336331 | E3X-CN12 | Connector, 1-wire cable for slave amplifier, 2m cable | 13.61 | 4547648647724 |
| 336332 | E3X-CN21 | Accessory fiber amplifier, system connector for master amplifier, standard, 2M cables | 20.93 | 4547648647731 |
| 306527 | E3X-DRT21-S VER.3 | Fibre amplifier sensor communication unit | 498.70 | 4547648646987 |

The ideal solution for standard industrial environments



Thanks to the simple construction and Omron's innovative "hot melt" production process, the E2B sensors embody two characteristics: value-for-money and high reliability.

- All-round-visible indicator
- The laser printed part number
- Vibration shock resistance: IEC 60947-5-2 (10 - 55 Hz)
- Operating temperature: -25°C to 70°C
- Water resistance: IP67

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 674364 | E2B-M12KN05-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in | 8.14 | 4548583549517 |
| 674338 | E2B-M12KN05-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable | 7.85 | 4548583549432 |
| 674557 | E2B-M12KN08-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in | 9.63 | 4548583549999 |
| 671224 | E2B-M12KN08-M1-B1-20 | Multi-pack E2B-M12KN08-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 182.00 | 4548583879317 |
| 674640 | E2B-M12KN08-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in | 9.63 | 4548583550018 |
| 674637 | E2B-M12KN08-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in | 9.63 | 4548583550001 |
| 674571 | E2B-M12KN08-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583549913 |
| 674559 | E2B-M12KN08-WP-B1 5M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 5 m cable | 11.41 | 4548583549920 |
| 674322 | E2B-M12KN08-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable | 9.63 | 4548583549937 |
| 674561 | E2B-M12KN08-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable | 9.63 | 4548583549951 |
| 674680 | E2B-M12KS02-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 plug-in | 8.27 | 4548583549272 |
| 674327 | E2B-M12KS02-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 7.85 | 4548583549197 |
| 674633 | E2B-M12KS04-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M12 plug-in | 9.63 | 4548583549753 |
| 392627 | E2B-M12KS04-M1-B1-20 | Multi-pack E2B-M12KS04-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 182.00 | 4548583552487 |
| 674624 | E2B-M12KS04-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, M12 plug-in | 9.63 | 4548583549777 |
| 674524 | E2B-M12KS04-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in | 9.63 | 4548583549760 |
| 674479 | E2B-M12KS04-M1-C2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, M12 plug-in | 9.63 | 4548583549784 |
| 674414 | E2B-M12KS04-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583549678 |
| 674429 | E2B-M12KS04-WP-B1 5M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m cable | 11.41 | 4548583549685 |
| 674573 | E2B-M12KS04-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable | 9.63 | 4548583549692 |
| 674528 | E2B-M12KS04-WP-B2 5M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 5 m cable | 11.41 | 4548583549708 |
| 674459 | E2B-M12KS04-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable | 9.63 | 4548583549715 |
| 674500 | E2B-M12KS04-WP-C2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, 2 m cable | 9.63 | 4548583549739 |
| 674481 | E2B-M12LN05-M1-B1 | Proximity sensor, inductive, nickel-brass, long body, M12, unshielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in | 7.85 | 4548583549630 |
| 674659 | E2B-M12LN08-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in | 9.63 | 4548583550117 |
| 674480 | E2B-M12LN08-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in | 9.63 | 4548583550131 |
| 674474 | E2B-M12LN08-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in | 9.63 | 4548583550124 |
| 674533 | E2B-M12LN08-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583550032 |
| 674523 | E2B-M12LN08-WP-B2 2M | Proximity sensor, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, PNP-NC, 2 m Prewired | 9.63 | 4548583550056 |
| 674522 | E2B-M12LN08-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, unshielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable | 9.63 | 4548583550070 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 674622 | E2B-M12LS02-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 plug-in | 7.85 | 4548583549395 |
| 674450 | E2B-M12LS02-WP-C1 2M | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable | 7.85 | 4548583549357 |
| 674527 | E2B-M12LS04-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M12 plug-in | 9.63 | 4548583549876 |
| 392628 | E2B-M12LS04-M1-B1-20 | Multi-pack E2B-M12LS04-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 182.00 | 4548583552494 |
| 674657 | E2B-M12LS04-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, M12 plug-in | 9.63 | 4548583549890 |
| 674329 | E2B-M12LS04-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in | 9.63 | 4548583549883 |
| 674378 | E2B-M12LS04-M1-C2 | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, M12 plug-in | 9.63 | 4548583549906 |
| 674517 | E2B-M12LS04-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583549791 |
| 674316 | E2B-M12LS04-WP-B1 5M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m Prewired | 11.41 | 4548583549807 |
| 674472 | E2B-M12LS04-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable | 9.63 | 4548583549814 |
| 674605 | E2B-M12LS04-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable | 9.63 | 4548583549838 |
| 674331 | E2B-M12LS04-WP-C2 2M | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NC, 2 m cable | 9.63 | 4548583549852 |
| 674558 | E2B-M18KN10-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 10 mm, DC, 3-wire, PNP-NO, M12 plug-in | 12.10 | 4548583551190 |
| 674469 | E2B-M18KN16-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, M12 plug-in | 14.12 | 4548583551671 |
| 671226 | E2B-M18KN16-M1-B1-20 | Multi-pack E2B-M18KN16-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 252.20 | 4548583879331 |
| 674359 | E2B-M18KN16-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, M12 plug-in | 14.12 | 4548583551695 |
| 674368 | E2B-M18KN16-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, M12 plug-in | 14.12 | 4548583551688 |
| 674614 | E2B-M18KN16-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, 2 m cable | 14.12 | 4548583551596 |
| 674342 | E2B-M18KN16-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, 2 m cable | 14.12 | 4548583551619 |
| 674655 | E2B-M18KN16-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, 2 m cable | 14.12 | 4548583551633 |
| 674612 | E2B-M18KS05-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in | 12.10 | 4548583550957 |
| 674616 | E2B-M18KS08-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in | 14.12 | 4548583551435 |
| 392629 | E2B-M18KS08-M1-B1-20 | Multi-pack E2B-M18KS08-M1-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 252.20 | 4548583552500 |
| 674473 | E2B-M18KS08-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in | 14.12 | 4548583551459 |
| 674656 | E2B-M18KS08-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in | 14.12 | 4548583551442 |
| 674553 | E2B-M18KS08-M1-C2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, M12 plug-in | 14.12 | 4548583551466 |
| 674516 | E2B-M18KS08-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable | 14.12 | 4548583551350 |
| 674410 | E2B-M18KS08-WP-B1 5M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 5 m cable | 16.12 | 4548583551367 |
| 674314 | E2B-M18KS08-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable | 14.12 | 4548583551374 |
| 674575 | E2B-M18KS08-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable | 14.12 | 4548583551398 |
| 674406 | E2B-M18KS08-WP-C2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, 2 m cable | 14.12 | 4548583551411 |
| 674430 | E2B-M18LN16-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, M12 plug-in | 14.12 | 4548583551794 |
| 674542 | E2B-M18LN16-M1-B2 | Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NC, M12 plug-in | 14.12 | 4548583551817 |
| 674613 | E2B-M18LN16-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, PNP-NO, 2 m cable | 14.12 | 4548583551718 |
| 674453 | E2B-M18LN16-WP-C1 2M | Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 3-wire, NPN-NO, 2 m cable | 14.12 | 4548583551756 |
| 674458 | E2B-M18LS05-M1-B1 | Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 plug-in | 12.10 | 4548583551077 |
| 674628 | E2B-M18LS08-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 plug-in | 14.12 | 4548583551558 |
| 674328 | E2B-M18LS08-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, M12 plug-in | 14.12 | 4548583551572 |
| 674445 | E2B-M18LS08-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, M12 plug-in | 14.12 | 4548583551565 |
| 674562 | E2B-M18LS08-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m cable | 14.12 | 4548583551473 |
| 674585 | E2B-M18LS08-WP-B1 5M | Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 5 m Prewired | 16.12 | 4548583551480 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 674354 | E2B-M18LS08-WP-B2 2M | Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NC, 2 m cable | 14.12 | 4548583551497 |
| 674567 | E2B-M18LS08-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m cable | 14.12 | 4548583551510 |
| 674584 | E2B-M18LS08-WP-C2 2M | Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NC, 2 m cable | 14.12 | 4548583551534 |
| 674397 | E2B-M30KN20-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, M12 plug-in | 16.65 | 4548583550438 |
| 674673 | E2B-M30KN20-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, 2 m cable | 16.65 | 4548583550353 |
| 674493 | E2B-M30KN20-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 20 mm, DC, 3-wire, NPN-NO, 2 m cable | 16.65 | 4548583550391 |
| 674341 | E2B-M30KS10-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 10 mm, DC, 3-wire, PNP-NO, M12 plug-in | 16.65 | 4548583551916 |
| 674652 | E2B-M30KS10-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 10 mm, DC, 3-wire, PNP-NO, 2 m cable | 16.65 | 4548583551831 |
| 674318 | E2B-M30KS15-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, M12 plug-in | 18.88 | 4548583550674 |
| 674418 | E2B-M30KS15-M1-B2 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, M12 plug-in | 18.88 | 4548583550698 |
| 674394 | E2B-M30KS15-M1-C1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, M12 plug-in | 18.88 | 4548583550681 |
| 674546 | E2B-M30KS15-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, 2 m cable | 18.88 | 4548583550599 |
| 674615 | E2B-M30KS15-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m cable | 18.88 | 4548583550612 |
| 674674 | E2B-M30KS15-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable | 18.88 | 4548583550636 |
| 674385 | E2B-M30KS15-WP-C2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NC, 2 m cable | 18.88 | 4548583550650 |
| 674649 | E2B-M30LN20-M1-B1 | Proximity sensor, inductive, nickel-brass, long body, M30, unshielded, 20 mm, DC, 3-wire, PNP-NO, M12 plug-in | 16.65 | 4548583550551 |
| 674536 | E2B-M30LN30-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NO, M12 plug-in | 18.88 | 4548583550919 |
| 674393 | E2B-M30LN30-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NO, 2 m cable | 18.88 | 4548583550834 |
| 674521 | E2B-M30LN30-WP-B2 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NC, 2 m Prewired | 18.88 | 4548583550858 |
| 674609 | E2B-M30LN30-WP-C1 2M | Proximity sensor, LITE, inductive, nickel-brass, short body, M30, unshielded, 30 mm, DC, 3-wire, PNP-NO, 2 m cable | 18.88 | 4548583550872 |
| 674512 | E2B-M30LS15-M1-B1 | Proximity sensor, LITE, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, M12 plug-in | 18.88 | 4548583550797 |
| 674332 | E2B-M30LS15-M1-B2 | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, M12 plug-in | 18.88 | 4548583550810 |
| 674541 | E2B-M30LS15-M1-C1 | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, M12 plug-in | 18.88 | 4548583550803 |
| 674537 | E2B-M30LS15-WP-B1 2M | Proximity sensor, LITE, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NO, 2 m cable | 18.88 | 4548583550711 |
| 674574 | E2B-M30LS15-WP-B2 2M | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m cable | 18.88 | 4548583550735 |
| 674555 | E2B-M30LS15-WP-C1 2M | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable | 18.88 | 4548583550759 |
| 674678 | E2B-S08KN02-MC-B1 | Proximity sensor, inductive, stainless steel, short body, M8, unshielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in | 9.63 | 4548583548558 |
| 674518 | E2B-S08KN02-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583548473 |
| 674629 | E2B-S08KN04-MC-B1 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin) | 11.41 | 4548583549036 |
| 674494 | E2B-S08KN04-MC-B2 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin) | 11.41 | 4548583549050 |
| 674672 | E2B-S08KN04-MC-C1 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin) | 11.41 | 4548583549043 |
| 674604 | E2B-S08KN04-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable | 11.41 | 4548583548954 |
| 674388 | E2B-S08KN04-WP-B1 5M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 5 m cable | 13.21 | 4548583548961 |
| 674323 | E2B-S08KN04-WP-B2 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, 2 m cable | 11.41 | 4548583548978 |
| 674592 | E2B-S08KN04-WP-C1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, 2 m cable | 11.41 | 4548583548992 |
| 674421 | E2B-S08KS01-MC-B1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 plug-in | 9.63 | 4548583548312 |
| 674365 | E2B-S08KS01-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, 2 m cable | 9.63 | 4548583548237 |
| 674396 | E2B-S08KS02-MC-B1 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin) | 11.41 | 4548583548794 |
| 392626 | E2B-S08KS02-MC-B1-20 | Multi-pack E2B-S08KS02-MC-B1 OMS: 1 pcs. = 1 box of 20 pcs. | 227.30 | 4548583552470 |
| 674625 | E2B-S08KS02-MC-B2 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin) | 11.41 | 4548583548817 |
| 674606 | E2B-S08KS02-MC-C1 | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin) | 11.41 | 4548583548800 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 674576 | E2B-S08KS02-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 11.41 | 4548583548718 |
| 674438 | E2B-S08KS02-WP-B1 5M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m cable | 13.21 | 4548583548725 |
| 674677 | E2B-S08KS02-WP-B2 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 2 m cable | 11.41 | 4548583548732 |
| 674454 | E2B-S08KS02-WP-C1 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable | 11.41 | 4548583548756 |
| 674611 | E2B-S08KS02-WP-C2 2M | Proximity sensor, LITE, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NC, 2 m cable | 11.41 | 4548583548770 |
| 674487 | E2B-S08LN04-MC-B1 | Proximity sensor, LITE, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, M8 plug-in | 11.41 | 4548583549159 |
| 674373 | E2B-S08LN04-MC-B2 | Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NC, M8 plug-in | 11.41 | 4548583549173 |
| 674642 | E2B-S08LN04-MC-C1 | Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, M8 plug-in | 11.41 | 4548583549166 |
| 674367 | E2B-S08LN04-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, PNP-NO, 2 m cable | 11.41 | 4548583549074 |
| 674501 | E2B-S08LN04-WP-C1 2M | Proximity sensor, inductive, stainless steel, long body, M8, unshielded, 4 mm, DC, 3-wire, NPN-NO, 2 m Prewired | 11.41 | 4548583549111 |
| 674552 | E2B-S08LS01-MC-B1 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 plug-in | 9.63 | 4548583548435 |
| 674636 | E2B-S08LS02-MC-B1 | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin) | 11.41 | 4548583548916 |
| 674478 | E2B-S08LS02-MC-B2 | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, M8 plug-in (3 pin) | 11.41 | 4548583548930 |
| 674608 | E2B-S08LS02-MC-C1 | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 plug-in (3 pin) | 11.41 | 4548583548923 |
| 674525 | E2B-S08LS02-WP-B1 2M | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 11.41 | 4548583548831 |
| 674630 | E2B-S08LS02-WP-B2 2M | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 2 m cable | 11.41 | 4548583548855 |
| 674590 | E2B-S08LS02-WP-C1 2M | Proximity sensor, LITE, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, 2 m cable | 11.41 | 4548583548879 |

E2E NEXT 3-wires

Compact - cylindrical

Proximity Sensor E2E NEXT 3-wire

Long-distance Detection Prevents Unexpected Facility Stoppages

- The world's longest sensing distance
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance enabled 2-year oil resistance
- IP69K compliant for water resistance and wash resistance
- Comes in a wide variation to make sensor selection easy
- UL and CSA certification



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 180665 | Y92E-BC12 | Sensor mounting bracket, M12 size, Hinge lever type | 5.05 | 4547648131377 |
| 180666 | Y92E-BC18 | Sensor mounting bracket, M18 size, Hinge lever type | 8.06 | 4547648131384 |



Proximity Sensor E2E NEXT

Long-distance Detection Prevents

Unexpected Facility Stoppages

- The world's longest sensing distance
- Nearly double the sensing distance of previous
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|--|-----------|---------------|
| 681784 | E2E-X20MD1L18-T 2M | Proximity sensor, inductive, brass-nickel, M18, non-shielded, 20 mm, NO, 2 m cable, DC 2-wire, no polarity | 57.00 | 4549734182935 |
| 681658 | E2E-X3D18-T 2M | Proximity sensor, inductive, brass-nickel, M8, shielded, 3 mm, NO, 2 m cable, DC 2-wire, no polarity | 54.45 | 4549734181853 |
| 681841 | E2E-X40MD1L30-T 2M | Proximity sensor, inductive, brass-nickel, M30, non-shielded, 40 mm, NO, 2 m cable, DC 2-wire, no polarity | 60.35 | 4549734183338 |
| 681693 | E2E-X7D112-M1TGJ-T 0.3M | Proximity sensor, inductive, brass-nickel, M12, shielded, 7 mm, NO, 0.3 m pig-tail, DC 2-wire, no polarity | 57.80 | 4549734182379 |
| 681843 | E2E-X7D112-T 2M | Proximity sensor, inductive, brass-nickel, M12, shielded, 7 mm, NO, 2 m cable, DC 2-wire, no polarity | 53.65 | 4549734182294 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|-------------------------------------|-----------|---------------|
| 681733 | Y92E-J12S18 | Mounting Sleeves e-jig for M12 Prox | 10.80 | 4549734190770 |
| 681880 | Y92E-J18S30 | Mounting Sleeves e-jig for M18 Prox | 16.32 | 4549734190787 |



Proximity Sensor E2EQ NEXT

Long-distance Detection Prevents Unexpected Facility Stoppages

- With spatter-resistant coating for application in welding areas
- Nearly double the sensing distance of previous
- With high-brightness LED, the indicator is visible anywhere from 360°.
- Only 10 Seconds to Replace a Proximity Sensor with the "e-jig" (Mounting Sleeve).
- Cables with enhanced oil resistance.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 681739 | E2EQ-X3D18-T 2M | Proximity sensor, inductive, brass-nickel, Spatter-coating, M8, shielded, 3 mm, NO, 2 m cable, DC 2-wire, no polarity | 85.65 | 4549734183499 |



Extended sensing range inductive sensor in cylindrical brass housing

The high quality and the long-life design of the E2A extended sensing distance provide the best value performance ratio for standard applications.

- Extended (double) sensing distance
- IP67 and IP69k for highest water protection
- DC 3-wire (NO, NC), DC 4-wire (NO+NC)
- Wide installation and connectivity range through modular concept

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 234948 | E2A-M12KN05-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 5mm, DC, 3-wire, PNP-NO, M12 connector | 35.27 | 4547648390422 |
| 234568 | E2A-M12KN05-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 5mm, DC, 3-wire, PNP-NO, 2m prewired | 34.05 | 4547648390439 |
| 133478 | E2A-M12KN08-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector | 22.82 | 4536854918322 |
| 671535 | E2A-M12KN08-M1-B1-20 | Multi-pack E2A-M12KN08-M1-B1: 1 pcs. = 1 box of 20 pcs. | 366.60 | 4548583880771 |
| 149004 | E2A-M12KN08-M1-B2 | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector | 22.82 | 4536854918384 |
| 659333 | E2A-M12KN08-M1-B3 | Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 8mm, DC, 4-wire, PNP-Antivalent (NO or NC), M12 plug-in | 37.33 | 4548583724266 |
| 133486 | E2A-M12KN08-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector | 22.82 | 4536854918445 |
| 154676 | E2A-M12KN08-M1-C2 | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NC, M12 connector | 24.50 | 4536854918513 |
| 168365 | E2A-M12KN08-WP-B1 10M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 10m prewired | 23.87 | 4547648031776 |
| 133538 | E2A-M12KN08-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired | 22.82 | 4536854917745 |
| 133448 | E2A-M12KN08-WP-B1 5M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired | 24.90 | 4536854917844 |
| 133452 | E2A-M12KN08-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired | 22.82 | 4536854917967 |
| 154674 | E2A-M12KN08-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired | 22.82 | 4536854918087 |
| 133470 | E2A-M12KN08-WP-C2 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NC, 2m prewired | 29.89 | 4536854918209 |
| 411116 | E2A-M12KN08-WP-D1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, non-shielded, 8 mm, DC, 2-wire, NO, 2 m prewired | 33.09 | 4547648096102 |
| 235819 | E2A-M12KS02-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector | 43.18 | 4547648390453 |
| 235820 | E2A-M12KS02-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m prewired | 33.20 | 4547648390477 |
| 103677 | E2A-M12KS04-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector | 22.82 | 4536854918315 |
| 671541 | E2A-M12KS04-M1-B1-20 | Multi-pack E2A-M12KS04-M1-B1: 1 pcs. = 1 box of 20 pcs. | 370.00 | 4548583880726 |
| 133482 | E2A-M12KS04-M1-B2 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, M12 connector | 22.82 | 4536854918377 |
| 244372 | E2A-M12KS04-M1-B3 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 40.42 | 4547648525046 |
| 133485 | E2A-M12KS04-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector | 22.82 | 4536854918438 |
| 133489 | E2A-M12KS04-M1-C2 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NC, M12 connector | 22.82 | 4536854918490 |
| 659309 | E2A-M12KS04-M1-C3 | Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4mm, DC, 4-wire, NPN-Antivalent (NO+NC), M12 plug-in | 47.68 | 4548583724471 |
| 659194 | E2A-M12KS04-M1G-D1 | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 2-wire, NO, M12 connector | 39.76 | 4548583723078 |
| 659199 | E2A-M12KS04-M5-B1 | Proximity sensor, inductive, nickel-brass, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NO, M8 3 pin plug-in | 43.18 | 4548583722958 |
| 133537 | E2A-M12KS04-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired | 22.82 | 4536854917707 |
| 133447 | E2A-M12KS04-WP-B1 5M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 5m prewired | 25.73 | 4536854917820 |
| 133451 | E2A-M12KS04-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m prewired | 22.82 | 4536854917950 |
| 133456 | E2A-M12KS04-WP-B2 5M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 3-wire, PNP-NC, 5 m prewired | 24.50 | 4536854918018 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 659337 | E2A-M12KS04-WP-B3 2M | Proximity sensor, inductive, nickel-brass, short body, M12,shielded, 4mm, DC, 4-wire, PNP-Antivalent (NO or NC), 2m Prewired | 40.42 | 4548583724235 |
| 133461 | E2A-M12KS04-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, 2m prewired | 22.82 | 4536854918070 |
| 133469 | E2A-M12KS04-WP-C2 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4mm, DC, 3-wire, NPN-NC, 2m prewired | 22.82 | 4536854918193 |
| 659336 | E2A-M12KS04-WP-C3 2M | Proximity sensor, inductive, nickel-brass, short body, M12,shielded, 4 mm, DC, 4-wire,NPN-Antivalent (NO+NC), 2 m Prewired | 32.99 | 4548583724457 |
| 232068 | E2A-M12KS04-WP-D1 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 2 wire, NO, 2 m prewired | 27.76 | 4547648096096 |
| 411120 | E2A-M12KS04-WP-D2 2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 4 mm, DC, 2 wire, NC, 2 m prewired | 31.10 | 4547648096188 |
| 244362 | E2A-M12LN05-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector | 32.79 | 4547648520089 |
| 656805 | E2A-M12LN05-M1-B1-TP | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector, including washer | 35.27 | 4548583722873 |
| 133399 | E2A-M12LN08-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector | 29.89 | 4536854950377 |
| 152246 | E2A-M12LN08-M1-B2 | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector | 25.73 | 4536854950384 |
| 133400 | E2A-M12LN08-M1-C1 | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector | 29.89 | 4536854950391 |
| 133402 | E2A-M12LN08-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired | 24.90 | 4536854950414 |
| 133403 | E2A-M12LN08-WP-B1 5M | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired | 25.73 | 4536854950421 |
| 133405 | E2A-M12LN08-WP-C1 2M | Proximity sensor, inductive, brass-nickel, long body, M12, non-shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired | 24.90 | 4536854950452 |
| 244363 | E2A-M12LS02-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, M12 connector | 35.27 | 4547648520096 |
| 155292 | E2A-M12LS04-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector | 24.90 | 4536854950506 |
| 671538 | E2A-M12LS04-M1-B1-20 | Multi-pack E2A-M12LS04-M1-B1: 1pcs. = 1 box of 20 pcs. | 395.30 | 4548583880733 |
| 143545 | E2A-M12LS04-M1-B2 | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, M12 connector | 30.71 | 4536854950513 |
| 244373 | E2A-M12LS04-M1-B3 | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 41.84 | 4547648525053 |
| 154478 | E2A-M12LS04-M1-C1 | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector | 24.90 | 4536854950520 |
| 659311 | E2A-M12LS04-M1-C3 | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 4-wire, NPN-Antivalent (NO+NC), M12 plug-in | 42.50 | 4548583724464 |
| 133409 | E2A-M12LS04-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired | 24.90 | 4536854950544 |
| 133410 | E2A-M12LS04-WP-B1 5M | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 5m prewired | 20.75 | 4536854950568 |
| 133411 | E2A-M12LS04-WP-B2 2M | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4mm, DC, 3-wire, PNP-NC, 2m prewired | 26.65 | 4536854950575 |
| 659321 | E2A-M12LS04-WP-B3 2M | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable | 44.22 | 4548583724358 |
| 133413 | E2A-M12LS04-WP-C1 2M | Proximity sensor, inductive, brass-nickel, long body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m prewired | 24.90 | 4536854950599 |
| 411126 | E2A-M12LS04-WP-D1 2M | Proximity sensor, inductive, nickel-brass, long body, M12, shielded, 4 mm, DC, 2 wire, NO, 2 m prewired | 18.18 | 4547648096249 |
| 133479 | E2A-M18KN16-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector | 29.05 | 4536854918346 |
| 671539 | E2A-M18KN16-M1-B1-20 | Multi-pack E2A-M18KN16-M1-B1: 1pcs.= 1 box of 20 pcs. | 471.00 | 4548583880795 |
| 142538 | E2A-M18KN16-M1-B2 | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, M12 connector | 33.60 | 4536854918407 |
| 244374 | E2A-M18KN16-M1-B3 | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 41.11 | 4547648525060 |
| 133487 | E2A-M18KN16-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, M12 connector | 29.05 | 4536854918469 |
| 133444 | E2A-M18KN16-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 2m prewired | 27.76 | 4536854917783 |
| 133449 | E2A-M18KN16-WP-B1 5M | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 5m prewired | 31.10 | 4536854917899 |
| 133453 | E2A-M18KN16-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, 2m prewired | 27.76 | 4536854917981 |
| 659328 | E2A-M18KN16-WP-B3 2M | Proximity sensor, inductive, nickel-brass, short body,M18,unshielded,16mm, DC, 4-wire, PNP-Antivalent(NO or NC), 2m Prewired | 44.22 | 4548583724396 |
| 133463 | E2A-M18KN16-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO,2m prewired | 27.76 | 4536854918100 |
| 411117 | E2A-M18KN16-WP-D1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, non-shielded, 16 mm, DC, 2-wire, NO, 2 m prewired | 36.30 | 4547648096133 |
| 244367 | E2A-M18KS05-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, M12 connector | 47.32 | 4547648524995 |
| 235823 | E2A-M18KS05-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 5mm, DC, 3-wire, PNP-NO, 2m prewired | 36.30 | 4547648390538 |
| 143612 | E2A-M18KS08-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector | 29.05 | 4536854918339 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 671534 | E2A-M18KS08-M1-B1-20 | Multi-pack E2A-M18KS08-M1-B1: 1 pcs. = 1 box of 20 pcs. | 486.20 | 4548583880757 |
| 144793 | E2A-M18KS08-M1-B2 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector | 29.05 | 4536854918391 |
| 242078 | E2A-M18KS08-M1-B3 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 53.90 | 4547648475037 |
| 152470 | E2A-M18KS08-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector | 29.05 | 4536854918452 |
| 153536 | E2A-M18KS08-M1-C2 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NC, M12 connector | 29.05 | 4536854918506 |
| 659161 | E2A-M18KS08-M1G-D1 | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 2-wire, NO, M12 connector | 42.88 | 4548583723061 |
| 133539 | E2A-M18KS08-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired | 27.76 | 4536854917769 |
| 145881 | E2A-M18KS08-WP-B1 5M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired | 31.10 | 4536854917875 |
| 103675 | E2A-M18KS08-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired | 27.76 | 4536854917974 |
| 133458 | E2A-M18KS08-WP-B2 5M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 5m prewired | 31.10 | 4536854918032 |
| 244361 | E2A-M18KS08-WP-B3 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2m prewired | 44.57 | 4547648520072 |
| 659322 | E2A-M18KS08-WP-B3 5M | Proximity sensor, inductive, nickel-brass, short body, M18, shielded, 8 mm, DC, 4-wire, PNP-antivalent (NO+NC), 2 m cable | 44.57 | 4548583724310 |
| 133462 | E2A-M18KS08-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, 2m prewired | 27.76 | 4536854918094 |
| 133471 | E2A-M18KS08-WP-C2 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 3-wire, NPN-NC, 2m prewired | 35.27 | 4536854918216 |
| 232069 | E2A-M18KS08-WP-D1 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8mm, DC, 2-wire, NO, 2m prewired | 33.20 | 4547648096126 |
| 411122 | E2A-M18KS08-WP-D2 2M | Proximity sensor, inductive, brass-nickel, short body, M18, shielded, 8 mm, DC, 2-wire, NC, 2 m prewired | 31.84 | 4547648096201 |
| 133417 | E2A-M18LN16-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector | 33.60 | 4536854950636 |
| 144580 | E2A-M18LN16-M1-B2 | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NC, M12 connector | 29.89 | 4536854950643 |
| 659330 | E2A-M18LN16-M1-B3 | Proximity sensor, inductive, nickel-brass, long body, M18, unshielded, 16 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 plug-in | 39.76 | 4548583724273 |
| 133418 | E2A-M18LN16-M1-C1 | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, M12 connector | 33.60 | 4536854950650 |
| 149970 | E2A-M18LN16-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, 2m prewired | 30.82 | 4536854950674 |
| 103537 | E2A-M18LN16-WP-B2 2M | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16 mm, DC, 3-wire, PNP-NC, 2 m cable | 32.15 | 4536854950698 |
| 133422 | E2A-M18LN16-WP-C1 2M | Proximity sensor, inductive, brass-nickel, long body, M18, non-shielded, 16mm, DC, 3-wire, NPN-NO, 2m prewired | 30.82 | 4536854950711 |
| 104288 | E2A-M18LS08-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector | 34.96 | 4536854950759 |
| 146851 | E2A-M18LS08-M1-B2 | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, M12 connector | 37.67 | 4536854950766 |
| 244375 | E2A-M18LS08-M1-B3 | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 47.32 | 4547648525077 |
| 133425 | E2A-M18LS08-M1-C1 | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, NPN-NO, M12 connector | 34.96 | 4536854950773 |
| 133427 | E2A-M18LS08-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 2m prewired | 30.33 | 4536854950797 |
| 133428 | E2A-M18LS08-WP-B1 5M | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, 5m prewired | 33.60 | 4536854950803 |
| 133429 | E2A-M18LS08-WP-B2 2M | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8mm, DC, 3-wire, PNP-NC, 2m prewired | 45.62 | 4536854950810 |
| 659306 | E2A-M18LS08-WP-B3 2M | Proximity sensor, inductive, nickel-brass, long body, M18, shielded, 8 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable | 37.84 | 4548583724372 |
| 133431 | E2A-M18LS08-WP-C1 2M | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8 mm, DC, 3-wire, NPN-NO, 2 m prewired | 30.33 | 4536854950834 |
| 411128 | E2A-M18LS08-WP-D1 2M | Proximity sensor, inductive, brass-nickel, long body, M18, shielded, 8 mm, DC, 2 wire, NO, 2 m prewired | 36.30 | 4547648096263 |
| 667328 | E2A-M18LS08-WS-B1-M01 | Prox M18, 8 mm, shield, PNP with circular plug connector for Automotive industry...Replacement for TL-X8MF1-M01 | 58.75 | 4548583033085 |
| 145919 | E2A-M30KN20-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, PNP-NO, M12 connector | 41.11 | 4536854939136 |
| 153444 | E2A-M30KN20-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, NPN-NO, M12 connector | 41.11 | 4536854939112 |
| 133397 | E2A-M30KN20-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20mm, DC, 3-wire, PNP-NO, 2m prewired | 37.33 | 4536854939051 |
| 147933 | E2A-M30KN20-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20 mm, DC, 3-wire, PNP-NC, 2 m cable | 37.67 | 4536854939044 |
| 133396 | E2A-M30KN20-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M30, non-shielded, 20 mm, DC, 3-wire, NPN-NO, 2 m prewired | 37.33 | 4536854939037 |
| 133480 | E2A-M30KS15-M1-B1 | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 connector | 41.49 | 4536854918353 |
| 133483 | E2A-M30KS15-M1-B2 | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NC, M12 connector | 41.11 | 4536854918414 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 244376 | E2A-M30KS15-M1-B3 | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 54.65 | 4547648525084 |
| 143613 | E2A-M30KS15-M1-C1 | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, NPN-NO, M12 connector | 41.49 | 4536854918476 |
| 133445 | E2A-M30KS15-WP-B1 2M | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 2m prewired | 37.33 | 4536854917790 |
| 133450 | E2A-M30KS15-WP-B1 5M | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 5m prewired | 39.76 | 4536854917912 |
| 133454 | E2A-M30KS15-WP-B2 2M | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 3-wire, PNP-NC, 2 m prewired | 40.10 | 4536854917998 |
| 659304 | E2A-M30KS15-WP-B3 2M | Proximity sensor, inductive, nickel-brass, short body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 2 m cable | 51.85 | 4548583724402 |
| 133464 | E2A-M30KS15-WP-C1 2M | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 3-wire, NPN-NO, 2 m prewired | 37.33 | 4536854918117 |
| 411118 | E2A-M30KS15-WP-D1 2M | Proximity sensor, inductive, brass-nickel, short body, M30, shielded, 15 mm, DC, 2-wire, NO, 2 m prewired | 43.18 | 4547648096164 |
| 133481 | E2A-M30LN30-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30mm, DC, 3-wire, PNP-NO, M12 connector | 44.57 | 4536854918360 |
| 133484 | E2A-M30LN30-M1-B2 | Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, PNP-NC, M12 plug-in | 43.89 | 4536854918421 |
| 133446 | E2A-M30LN30-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30mm, DC, 3-wire, PNP-NO, 2m prewired | 40.42 | 4536854917813 |
| 133455 | E2A-M30LN30-WP-B2 2M | Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, PNP-NC, 2 m cable | 36.65 | 4536854918001 |
| 144792 | E2A-M30LN30-WP-C1 2M | Proximity sensor, inductive, brass-nickel, long body, M30, non-shielded, 30 mm, DC, 3-wire, NPN-NO, 2 m prewired | 40.42 | 4536854918124 |
| 133433 | E2A-M30LS15-M1-B1 | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 connector | 44.57 | 4536854950872 |
| 244377 | E2A-M30LS15-M1-B3 | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 4-wire, PNP-Antivalent (NO+NC), M12 connector | 70.50 | 4547648525091 |
| 142327 | E2A-M30LS15-WP-B1 2M | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 2m prewired | 41.49 | 4536854950919 |
| 133437 | E2A-M30LS15-WP-B1 5M | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, 5m prewired | 40.42 | 4536854950926 |
| 133438 | E2A-M30LS15-WP-B2 2M | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15mm, DC, 3-wire, PNP-NC, 2m prewired | 40.10 | 4536854950933 |
| 659338 | E2A-M30LS15-WP-B3 2M | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NC+NO), 2 m cable | 52.85 | 4548583724280 |
| 242077 | E2A-M30LS15-WP-B3 5M | Proximity sensor, inductive, brass-nickel, long body, M30, shielded, 15 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 5 m prewired | 72.25 | 4547648475020 |
| 133440 | E2A-M30LS15-WP-C1 2M | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15mm, DC, 3-wire, NPN-NO, 2m cable | 41.49 | 4536854950957 |
| 411136 | E2A-M30LS15-WP-D2 2M | Proximity sensor, inductive, nickel-brass, long body, M30, shielded, 15mm, DC, 2 wire, NC, 2m prewired | 45.21 | 4547648096348 |



Extended sensing range inductive sensor in cylindrical stainless steel housing

The performance and operational reliability of the E2A family is also available in stainless steel housing.

- Stainless steel housing (SUS 303)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|--|-----------|---------------|
| 183917 | E2A-S08KN04-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector | 34.05 | 4547648162456 |
| 401325 | E2A-S08KN04-M1-B2 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, M12 connector | 31.21 | 4547648162463 |
| 239506 | E2A-S08KN04-M1-C1 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M12 connector | 34.05 | 4547648149266 |
| 659185 | E2A-S08KN04-M3-B1 | Proximity sensor, inductive, stainless steel, short body, M8, unshielded, 4mm, DC, 3-wire, PNP-NO, M8 plug-in | 45.62 | 4548583723542 |
| 183894 | E2A-S08KN04-M5-B1 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M8 connector | 40.42 | 4547648149273 |
| 401326 | E2A-S08KN04-M5-B2 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, M8 connector | 31.21 | 4547648162487 |
| 183921 | E2A-S08KN04-M5-C1 | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M8 connector | 40.42 | 4547648162968 |
| 183895 | E2A-S08KN04-WP-B1 2M | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired | 26.97 | 4547648149280 |
| 401327 | E2A-S08KN04-WP-B1 5M | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NO, 5 m prewired | 32.13 | 4547648162500 |
| 401328 | E2A-S08KN04-WP-B2 2M | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4 mm, DC, 3-wire, PNP-NC, 2 m prewired | 31.21 | 4547648162517 |
| 183926 | E2A-S08KN04-WP-C1 2M | Proximity sensor, inductive, stainless steel, short body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, 2m prewired | 26.97 | 4547648162531 |
| 659196 | E2A-S08KN04-WP-D1 2M | Proximity sensor, inductive, stainless steel, M8, unshielded, 4mm, DC, 2 wire, 2m prewired | 32.79 | 4548583723580 |
| 237659 | E2A-S08KS01-M3-B1-TP | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, M8 connector (4 pin), including washer | 36.11 | 4547648437226 |
| 232413 | E2A-S08KS01-WP-B1-TP 5M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 1 mm, DC, 3-wire, PNP-NO, 5 m prewired, including washer | 33.20 | 4547648340588 |
| 183896 | E2A-S08KS02-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector | 29.05 | 4547648149297 |
| 183930 | E2A-S08KS02-M1-B2 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M12 connector | 29.05 | 4547648162579 |
| 183931 | E2A-S08KS02-M1-C1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M12 connector | 29.05 | 4547648162586 |
| 406771 | E2A-S08KS02-M1-C2 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NC, M12 connector | 29.05 | 4547648162593 |
| 242079 | E2A-S08KS02-M3-B1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (4 pin) | 33.60 | 4547648475044 |
| 659227 | E2A-S08KS02-M3-C1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, NPN-NO, M8 4-pin plug-in | 33.64 | 4548583723511 |
| 183933 | E2A-S08KS02-M5-B1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (3 pin) | 33.60 | 4547648162609 |
| 183934 | E2A-S08KS02-M5-B2 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M8 connector (3 pin) | 32.35 | 4547648162616 |
| 183897 | E2A-S08KS02-M5-C1 | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M8 connector (3 pin) | 33.60 | 4547648149303 |
| 183936 | E2A-S08KS02-WP-B1 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m prewired | 22.82 | 4547648162630 |
| 183937 | E2A-S08KS02-WP-B1 5M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m prewired | 22.82 | 4547648162647 |
| 183938 | E2A-S08KS02-WP-B2 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, 2m prewired | 22.82 | 4547648162654 |
| 401329 | E2A-S08KS02-WP-B2 5M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 3-wire, PNP-NC, 5 m prewired | 32.13 | 4547648162661 |
| 183898 | E2A-S08KS02-WP-C1 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, 2m prewired | 22.82 | 4547648149327 |
| 183941 | E2A-S08KS02-WP-C2 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 3-wire, NPN-NC, 2m prewired | 22.82 | 4547648162685 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 656810 | E2A-S08KS02-WP-D1 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m prewired | 32.79 | 4548583722910 |
| 658911 | E2A-S08KS02-WP-D2 2M | Proximity sensor, inductive, stainless steel, short body, M8, shielded, 2mm, DC, 2-wire, NC, 2m prewired | 37.67 | 4548583722996 |
| 183899 | E2A-S08LN04-M1-B1 | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector | 39.76 | 4547648149334 |
| 406773 | E2A-S08LN04-M1-C1 | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4 mm, DC, 3-wire, NPN-NO, M12 plug-in | 39.76 | 4547648162715 |
| 183946 | E2A-S08LN04-M5-B1 | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, M8 connector(3 pin) | 34.05 | 4547648162739 |
| 183900 | E2A-S08LN04-M5-C1 | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, NPN-NO, M8 connector(3 pin) | 34.05 | 4547648149341 |
| 183949 | E2A-S08LN04-WP-B1 2M | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired | 32.35 | 4547648162760 |
| 401324 | E2A-S08LN04-WP-C1 2M | Proximity sensor, inductive, stainless steel, long body, M8, non-shielded, 4 mm, DC, 3-wire, NPN-NO, 2 m prewired | 32.35 | 4547648149358 |
| 183956 | E2A-S08LS02-M1-B1 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M12 connector | 32.35 | 4547648162838 |
| 232023 | E2A-S08LS02-M1-B2 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M12 connector | 35.27 | 4547648162845 |
| 232019 | E2A-S08LS02-M1-C1 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M12 connector | 32.35 | 4547648149365 |
| 659342 | E2A-S08LS02-M3-B3 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 4-wire, PNP-Antivalent (NO+NC), M8 4pin plug-in | 77.05 | 4548583724907 |
| 183903 | E2A-S08LS02-M5-B1 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, M8 connector (3 pin) | 33.60 | 4547648149372 |
| 183959 | E2A-S08LS02-M5-B2 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, M8 connector (3 pin) | 32.79 | 4547648162869 |
| 183960 | E2A-S08LS02-M5-C1 | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, M8 connector (3 pin) | 33.60 | 4547648162876 |
| 183904 | E2A-S08LS02-WP-B1 2M | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NO, 2m prewired | 30.33 | 4547648149389 |
| 401330 | E2A-S08LS02-WP-B1 5M | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2 mm, DC, 3-wire, PNP-NO, 5 m prewired | 32.13 | 4547648162890 |
| 243967 | E2A-S08LS02-WP-B2 2M | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, PNP-NC, 2m prewired | 30.33 | 4547648162906 |
| 183965 | E2A-S08LS02-WP-C1 2M | Proximity sensor, inductive, stainless steel, long body, M8, shielded, 2mm, DC, 3-wire, NPN-NO, 2m prewired | 30.33 | 4547648162920 |
| 411139 | E2A-S12KN08-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M12, non-shielded, 8 mm, DC, 3-wire, PNP-NO, M12 connector | 35.73 | 4548583130456 |
| 242075 | E2A-S12KN08-WP-B1 2M | Proximity sensor, inductive, stainless steel, short body, M12, non-shielded, 8 mm, DC, 3-wire, PNP-NO, 2m prewired | 39.76 | 4547648475082 |
| 351403 | E2A-S12KS04-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, M12 connector | 30.44 | 4548583020894 |
| 656802 | E2A-S12KS04-M1-C1 | Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4 mm, DC, 3-wire, NPN-NO, M12 connector | 55.00 | 4548583722835 |
| 341512 | E2A-S12KS04-WP-B1 2M | Proximity sensor, inductive, stainless steel, short body, M12, shielded, 4mm, DC, 3-wire, PNP-NO, 2m prewired | 29.40 | 4548583004917 |
| 659215 | E2A-S12KS04-WP-B1 5M | Proximity sensor, inductive, stainless steel | 35.53 | 4548583723047 |
| 168903 | E2A-S18KN16-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M18, non-shielded, 16mm, DC, 3-wire, PNP-NO, M12 connector | 55.40 | 4547648048613 |
| 168902 | E2A-S18KS08-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8mm, DC, 3-wire, PNP-NO, M12 connector | 63.55 | 4547648048606 |
| 658904 | E2A-S18KS08-WP-B1 2M | Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 2 m prewired | 45.61 | 4548583722989 |
| 659313 | E2A-S18KS08-WP-B3 10M | Proximity sensor, inductive, stainless steel, short body, M18, shielded, 8 mm, DC, 4-wire, PNP-Antivalent (NO+NC), 10 m cable | 65.00 | 4548583724778 |
| 658907 | E2A-S18LS08-M1-B1 | Proximity sensor, inductive, stainless steel, long body, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, M12 connector | 55.00 | 4548583722941 |
| 168904 | E2A-S30KS15-M1-B1 | Proximity sensor, inductive, stainless steel, short body, M30, shielded, 15mm, DC, 3-wire, PNP-NO, M12 plug-in | 60.45 | 4547648048620 |



Long (triple) distance inductive sensor in cylindrical brass housing

The E2A3 family features an optimised sensing performance to achieve triple sensing distance for flush mounting requirements.

- Triple distance for enhanced sensor protection from mechanical damage
- IP67 and IP69k

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 183127 | E2A3-M12KS06-M1-B1 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, PNP-NO, M12 plug-in | 87.75 | 4547648140126 |
| 183129 | E2A3-M12KS06-M1-C1 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, NPN-NO, M12 plug-in | 87.75 | 4547648140140 |
| 183115 | E2A3-M12KS06-WP-B1 2M | Proximity sensor, inductive, triple distance, brass-nickel, short body, M12, shielded, 6mm, DC, 3-wire, PNP-NO, 2m prewired | 85.00 | 4547648140003 |
| 183131 | E2A3-M18KS11-M1-B1 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, PNP-NO, M12 plug-in | 104.50 | 4547648140164 |
| 183133 | E2A3-M18KS11-M1-C1 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, NPN-NO, M12 plug-in | 104.50 | 4547648140188 |
| 183134 | E2A3-M18KS11-M1-C2 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, NPN-NC, M12 plug-in | 104.50 | 4547648140195 |
| 183119 | E2A3-M18KS11-WP-B1 2M | Proximity sensor, inductive, triple distance, brass-nickel, short body, M18, shielded, 11mm, DC, 3-wire, PNP-NO, 2m prewired | 91.65 | 4547648140041 |
| 183135 | E2A3-M30KS20-M1-B1 | Proximity sensor, inductive, triple distance, brass-nickel, short body, M30, shielded, 20mm, DC, 3-wire, PNP-NO, M12 plug-in | 114.00 | 4547648140201 |
| 183123 | E2A3-M30KS20-WP-B1 2M | Proximity sensor, inductive, triple distance, brass-nickel, short body, M30, shielded, 20mm, DC, 3-wire, PNP-NO, 2m prewired | 114.00 | 4547648140089 |
| 183143 | E2A3-S08KS03-M1-B1 | Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, M12 plug-in | 72.60 | 4547648150132 |
| 183147 | E2A3-S08KS03-M5-B1 | Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, M8 plug-in (3 pin) | 72.60 | 4547648150194 |
| 183139 | E2A3-S08KS03-WP-B1 2M | Proximity sensor, inductive, triple distance, stainless steel, short body, M8, shielded, 3mm, DC, 3-wire, PNP-NO, 2m prewired | 72.15 | 4547648150095 |

Small diameter proximity sensors for high precision detection



Omron's latest inductive technology has now been applied to a new range of small diameter inductive sensors. The new μPROX E2E provides precision detection and allows installation in even the most confined spaces. The portfolio has been extended to include non-shielded types and versions with pig-tail connector leads.

- Miniature size: 3, 4, 6.5 mm and M4, M5 diameters
- High frequency of 5 kHz: suitable for high-speed counting
- All sizes are also available as non-shielded types
- IP67 water ingress protection
- Highly visible indicators for easy operation confirmation

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 375544 | E2E-C03N02-WC-B1 2M | Proximity sensor, inductive, Dia 3mm, Non-Shielded, 2mm, DC, 3-wire, PW, PNP NO | 86.00 | 4548583405509 |
| 375480 | E2E-C03SR8-CJ-B1 0.3M | Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, Pig-Tail, PNP NO | 65.65 | 4548583405462 |
| 375541 | E2E-C03SR8-WC-B1 2M | Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, PW, PNP NO | 55.35 | 4548583405424 |
| 375542 | E2E-C03SR8-WC-C1 2M | Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 3-wire, PW, NPN NO | 55.35 | 4548583405448 |
| 375561 | E2E-C04N03-WC-B1 2M | Proximity sensor, inductive, Dia 4mm, Non-Shielded, 3mm, DC, 3-wire, PW, PNP NO | 55.35 | 4548583405868 |
| 375557 | E2E-C04S12-CJ-B1 0.3M | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, Pig-Tail, PNP NO | 45.32 | 4548583405783 |
| 375559 | E2E-C04S12-MC-B1 | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NO | 40.30 | 4548583405820 |
| 375554 | E2E-C04S12-WC-B1 2M | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, PNP NO | 35.37 | 4548583405745 |
| 382448 | E2E-C04S12-WC-B1 5M | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW 5m, PNP NO | 33.99 | 4548583498037 |
| 375497 | E2E-C04S12-WC-B2 2M | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, PNP NC | 35.37 | 4548583405752 |
| 375555 | E2E-C04S12-WC-C1 2M | Proximity sensor, inductive, Dia 4mm, Shielded, 1.2mm, DC, 3-wire, PW, NPN NO | 35.37 | 4548583405769 |
| 659356 | E2E-C05S01-WC-B1 2M | Proximity sensor, inductive, Dia 5.4 mm, Shielded, 1.0 mm, DC, 3-wire, PW 2M, PNP NO | 36.31 | 4548583518780 |
| 659355 | E2E-C05S01-WC-C1 2M | Proximity sensor, inductive, Dia 5.4 mm, Shielded, 1.0 mm, DC, 3-wire, PW 2M, NPN NO | 36.31 | 4548583518742 |
| 375537 | E2E-C06N04-MC-B1 | Proximity sensor, inductive, Dia 6.5mm, Non-Shielded, 4mm, DC, 3-wire, M8(3P), PNP NO | 61.00 | 4548583406421 |
| 375580 | E2E-C06N04-WC-B1 2M | Proximity sensor, inductive, Dia 6.5mm, Non-Shielded, 4mm, DC, 3-wire, PW, PNP NO | 55.35 | 4548583406346 |
| 375578 | E2E-C06S02-MC-B1 | Proximity sensor, inductive, Dia 6.5mm, Shielded, 2mm, DC, 3-wire, M8(3P), PNP NO | 40.30 | 4548583406308 |
| 375573 | E2E-C06S02-WC-B1 2M | Proximity sensor, inductive, Dia 6.5mm, Shielded, 2mm, DC, 3-wire, PW, PNP NO | 35.37 | 4548583406223 |
| 375552 | E2E-S04N02-WC-B1 2M | Proximity sensor, inductive, M4, Non-Shielded, 2mm, DC, 3-wire, PW, PNP NO | 86.00 | 4548583405660 |
| 375550 | E2E-S04SR8-CJ-B1 0.3M | Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, Pig-Tail, PNP NO | 65.65 | 4548583405622 |
| 375546 | E2E-S04SR8-WC-B1 2M | Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, PNP NO | 55.35 | 4548583405585 |
| 375547 | E2E-S04SR8-WC-B2 2M | Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, PNP NC | 55.35 | 4548583405592 |
| 375548 | E2E-S04SR8-WC-C1 2M | Proximity sensor, inductive, M4, Shielded, 0.8mm, DC, 3-wire, PW, NPN NO | 55.35 | 4548583405608 |
| 375518 | E2E-S05N03-CJ-B1 0.3M | Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, Pig-Tail, PNP NO | 65.65 | 4548583406148 |
| 375522 | E2E-S05N03-MC-B1 | Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, M8(3P), PNP NO | 61.00 | 4548583406186 |
| 375571 | E2E-S05N03-WC-B1 2M | Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, PW, PNP NO | 55.35 | 4548583406100 |
| 375572 | E2E-S05N03-WC-C1 2M | Proximity sensor, inductive, M5, Non-Shielded, 3mm, DC, 3-wire, PW, NPN NO | 55.35 | 4548583406124 |
| 375567 | E2E-S05S12-CJ-B1 0.3M | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, Pig-Tail, PNP NO | 45.32 | 4548583406025 |
| 375569 | E2E-S05S12-MC-B1 | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NO | 40.30 | 4548583406063 |
| 375514 | E2E-S05S12-MC-B2 | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), PNP NC | 40.30 | 4548583406070 |
| 375570 | E2E-S05S12-MC-C1 | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, M8(3P), NPN NO | 40.30 | 4548583406087 |
| 375563 | E2E-S05S12-WC-B1 2M | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, PNP NO | 35.37 | 4548583405981 |
| 375564 | E2E-S05S12-WC-B2 2M | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, PNP NC | 35.37 | 4548583405998 |
| 375565 | E2E-S05S12-WC-C1 2M | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, NPN NO | 35.37 | 4548583406001 |
| 375566 | E2E-S05S12-WC-C2 2M | Proximity sensor, inductive, M5, Shielded, 1.2mm, DC, 3-wire, PW, NPN NC | 35.37 | 4548583406018 |



Sub-miniature inductive sensor for demanding mounting conditions with remote amplifier

The E2EC family features the smallest sensor heads for reliable sensing in areas where mounting space is crucial. The miniature sizes of the sensing heads are achieved by separating the sensing part from the amplifier. In contrast to standard separate amplifier models the E2EC family simplifies the installation as the amplifier is built into the cable.

- 3 mm diameter sensing head for smallest spaces
- 18 mm long ultra short M12 size housing
- Full metal housing model for highest resistance in demanding environments

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 144377 | E2EC-C1R5D1 | Proximity sensor, inductive, Dia 5.4mm, Shielded, 1.5mm, DC, 2-wire, NO, 2m cable | 168.10 | 4536853257514 |
| 147698 | E2EC-C3D1 | Proximity sensor | 171.60 | 4536853257590 |
| 177225 | E2EC-C3D1-M1J-1 | Proximity sensor, 8 mm diameter, 3 mm range, 2 wire DC, 2 m cable | 245.00 | 4536854887864 |
| 132394 | E2EC-CR8D1 | Proximity sensor, inductive, Dia 3mm, Shielded, 0.8mm, DC, 2-wire, NO, 2m cable | 176.40 | 4536853257439 |



Ferrous and Non-Ferrous Cylindrical Proximity Sensor

The E2V-X provides long-distance detection of aluminum or iron, while mounted flush in metal.

- Highly visible indicator
- DC 3-wire proximity sensors: M12, M18, M30
- Standard and Long-distance detection in pre-wired or connector models
- Nickel-plated brass housing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 249420 | E2V-X8B1-M1TJ 0.3M | Proximity sensor, inductive, all metall sensing, brass-nickel, M18, shielded, 8 mm, DC, 3-wire, PNP-NO, 0.3 m cable with M12 SmartClick connector | 150.10 | 4547648456517 |



IO-Link standard proximity sensors as the innovative solution to solve issues at industrial manufacturing sites

IO-Link standard proximity sensors as the innovative solution to solve issues at industrial manufacturing sites

- Downtime can be reduced through internal diagnostic functions
- The sudden failure can be decreased by notifying, if objects being too far or too close
- Maintenance operations are more efficient by identification of each sensor through the IO link network
- Programmable operation of the sensor reduces the number of models required

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 671227 | E2E-X3B4-IL2.2M | Proximity sensor, inductive, brass-nickel, short body, M12, shielded, 3 mm, DC, 3-wire, PNP NO/NC switching type (Factory setting: NO), IO-Link V1.1 COM2 (38.4 kbps, 2.3ms), 2 m prewired | 39.86 | 4548583786226 |

E2Q6

Special models

Rectangular Proximity Sensor with free wire connection terminal



E2Q6 family presents the new type of rectangular inductive proximity sensors with longer sensing distance and with innovative modified connected terminal for free wire connection. New terminal provides higher wear resistance, very good protected against corrosion and highly robust. The shape of E2Q6 was made in the format of standard limit switch and can be used for the similar applications as alternative non-contact solution.

- Conduit M20 with terminal block for free wire connection
- Change between any of five sensing directions: front or 90° up, down, left, or right.
- Four indicators show the operating status of the Sensor from many directions.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 419021 | E2Q6-N20E3-H | Proximity sensor, inductive, square body, shielded, 20 mm, NPN-NO/NC, M20 conduit | 78.70 | 4548583732544 |
| 419020 | E2Q6-N20F3-H | Proximity sensor, inductive, square body, shielded, 20 mm, PNP-NO/NC, M20 conduit | 78.70 | 4548583732537 |
| 419018 | E2Q6-N30MF3-H | Proximity sensor, inductive, square body, non-shielded, 30 mm, PNP-NO/NC, M20 conduit | 83.25 | 4548583732483 |



Heat and detergent resistant inductive sensor in cylindrical stainless steel housing

The heat and detergent resistant inductive sensors provide reliable metal object or machine part detection in demanding environments such as food processing.

- Temperature resistant up to 120°C
- SUS316L housing with heat resistant plastic sensing face
- IP69k for highest water resistance
- ECOLAB tested and certified detergent resistance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 290046 | E2EH-X12B1 2M | Proximity sensor M30, high temperature (120°C) stainless steel, 12mm sensing range, DC PNP, NO, prewired, 2m | 117.80 | 4547648628662 |
| 290047 | E2EH-X12B1-M1 | Proximity sensor M30, high temperature (120°C) stainless steel, 12mm sensing range, DC PNP, NO, M12 plug-in | 172.80 | 4547648628679 |
| 290031 | E2EH-X3B1 2M | Proximity sensor M12, high temperature (120°C) stainless steel, 3mm sensing range, DC PNP, NO, prewired, 2m | 61.35 | 4547648628495 |
| 290032 | E2EH-X3B1-M1 | Proximity sensor M12, high temperature (120°C) stainless steel, 3mm sensing range, DC PNP, NO, prewired, M12 plug in | 105.60 | 4547648628501 |
| 290059 | E2EH-X7B1 2M | Proximity sensor M18, high temperature (120°C) stainless steel, 7mm sensing range, DC PNP, NO, prewired, 2m | 117.40 | 4547648628815 |
| 290061 | E2EH-X7B1-M1 | Proximity sensor M18, high temperature (120°C) stainless steel, 7mm sensing range, DC PNP, NO, M12 plug-in | 119.30 | 4547648628839 |



Chemical resistant inductive sensor in cylindrical PTFE housing

The E2FQ features a full-body fluoro plastic housing for chemical resistance (e.g. against cleaning agents used in the semiconductor industry).

- Full body fluoro plastic housing for chemical resistance
- DC 2-wire and DC 3-wire models

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 154863 | E2FQ-X10F1 | Proximity sensor, inductive, PTFE body, short, M30, shielded, 10mm, DC, PNP-NO, 2 m cable | 194.50 | 4536853263355 |
| 149293 | E2FQ-X2F1 | Proximity sensor, inductive, PTFE body, short, M12, shielded, 2 mm, 3-wire DC, PNP-NO, 2 m cable | 160.00 | 4536853263461 |
| 131818 | E2FQ-X5F1 | Proximity sensor, inductive, PTFE body, short, M18, shielded, 5mm, 3-wire DC, PNP-NO, 2 m cable | 147.90 | 4536853263300 |



Inductive proximity sensor in cylindrical full metal housing (case + sensing face)

The high durability stainless steel sensing face provides more than 20 times longer protection against mechanical damage than conventional sensors. The high mineral oil and coolant resistance and the immunity against small metal chips on the surface make this sensor ideal for metal cutting or drilling applications.

- Full body stainless steel housing for highest mechanical protection
- Low frequency modulation for metal chip immunity
- Flame retardant cable for high protection against welding spatter damage (pigtail models)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 224092 | E2FM-X10B1-M1 | Proximity sensor, inductive, stainless steel face & body, long body, M30, shielded, 10mm, DC, 3-wire, PNP-NO, M12 plug-in | 156.10 | 4547648228428 |
| 224089 | E2FM-X1R5B1-M1 | Proximity sensor, inductive, stainless steel face & body, long body, M8, shielded, 1.5mm, DC, 3-wire, PNP-NO, M12 plug-in | 115.40 | 4547648228398 |
| 232110 | E2FM-X1R5D1 2M | Proximity sensor inductive | 132.40 | 4547648325790 |
| 224090 | E2FM-X2B1-M1 | Proximity sensor, inductive, stainless steel face & body, long body, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 plug-in | 86.85 | 4547648228404 |
| 232111 | E2FM-X2D1 2M | Proximity sensor, inductive, stainless steel face & body, long body, M12, shielded, 2 mm, DC, 2-wire, NO, 2 m prewired | 118.80 | 4547648325806 |
| 224091 | E2FM-X5B1-M1 | Proximity sensor, inductive, stainless steel face & body, long body, M18, shielded, 5mm, DC, 3-wire, PNP-NO, M12 plug-in | 98.00 | 4547648228411 |
| 232112 | E2FM-X5D1 2M | Proximity sensor, inductive, stainless steel face & body, long body, M18, shielded, 5mm, DC, 2-wire, NO, 2m prewired | 133.50 | 4547648325813 |



High precision positioning inductive proximity sensor with separate amplifier

The separate amplifier inductive sensor family E2C-EDA offers high precision distance positioning and detection. The teach-in function allows simple installation, and with the window function (2 outputs) production tolerance checks can easily be set up and modified.

- Typically several hundred µm detection precision
- Precision distance teaching
- Window function (2 outputs) for production tolerance checks

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 176687 | E2C-EDA41 2M | High precision positioning inductive proximity sensor amplifier, DC, twin output model, PNP, digital display, 2m cable | 272.60 | 4547648076784 |
| 176693 | E2C-EDR6-F | Sensor head shielded, cylindrical 3mm, distance 0.6mm (for use with E2C-EDA) | 348.90 | 4547648076845 |
| 176706 | E2C-EV05 | Sensor head shielded, flat 30x14x4.8mm, distance 5mm (for use with E2C-EDA) | 322.70 | 4547648076975 |



Oil resistant inductive sensor in cylindrical brass housing

The standard E2E family offers tested oil resistance on commonly used oils in the automotive industry for reliable long-life operation in automotive assembly lines.

- Oil resistant PUR cable
- M8, M12, M18 and M30 standard sizes
- IP67g (water and oil resistance)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 290127 | E2E-X2D1-U 2M | Proximity sensor, inductive, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m cable PUR oil-resistant | 72.20 | 4547648408813 |
| 290129 | E2E-X3D1-U 2M | Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 2 m cable PUR oil-resistant | 72.20 | 4547648408837 |

TL-W

Square/block style



Flat shape inductive sensor in compact plastic housing

The TL-W family offers a wide range of block style inductive sensors for simple mounting on flat surfaces. With sensing distances from 1.5 mm to 20 mm the TL-W is the ideal solution for all standard applications.

- Front and side facing surface
- IP67
- DC 2-wire and DC 3-wire models
- Sensing distances from 1.5 mm to 20 mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 110296 | TL-W1R5MB1 | Proximity sensor, inductive, non-shielded, 1.5mm, DC, 3-wire, PNP-NO, 2m cable | 60.70 | 4536854116407 |
| 110289 | TL-W1R5MC1 | Proximity sensor, inductive, non-shielded, 1.5mm, DC, 3-wire, NPN-NO, 2m cable | 54.00 | 4536854116315 |
| 110302 | TL-W20ME1 | Proximity sensor, inductive, unshielded, Rectangular, 20mm, 3 wire, NPN, NO, 2m cable | 91.30 | 4536854116612 |
| 110294 | TL-W3MB1 2M | Proximity sensor, inductive, non-shielded, 3 mm, DC, 3-wire, PNP-NO, 2 m cable | 48.32 | 4536854116384 |
| 110307 | TL-W3MB1 5M | Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, PNP-NO, 5 m cable | 54.00 | 4536854116735 |
| 110312 | TL-W3MB1-R 2M | Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, PNP-NO, 5 m robotic cable | 74.20 | 4536854116995 |
| 110305 | TL-W3MB2 | Proximity sensor, inductive, non-shielded, 3mm, DC, 3-wire, PNP-NC, 2m cable | 90.90 | 4536854116698 |
| 110288 | TL-W3MC1 2M | Proximity sensor, inductive, non-shielded, 3mm, DC, 3-wire, NPN-NO, 2m cable | 48.71 | 4536854116292 |
| 110306 | TL-W3MC1-R 2M | Proximity sensor, inductive, unshielded, 3 mm, DC, 3-wire, PNP-NO, 2 m robotic cable | 58.25 | 4536854116704 |
| 110292 | TL-W3MC2 2M | Proximity sensor, inductive, unshielded, 3mm, DC, 3-wire, NPN-NC, 2m cable | 49.47 | 4536854116353 |
| 110280 | TL-W5E1 | Proximity sensor, inductive, shielded, 5 mm, DC, 3-wire, NPN-NO, 2 m cable | 84.50 | 4536854116186 |
| 110282 | TL-W5F1 | Proximity sensor, inductive, shielded, 5mm, DC, 3-wire, PNP-NO, 2m cable | 84.50 | 4536854116209 |
| 103868 | TL-W5F2 | Proximity sensor, inductive, shielded, 5 mm, DC, 3-wire, PNP-NC, 2 m cable | 87.50 | 4536854116247 |
| 110295 | TL-W5MB1 2M | Proximity sensor, inductive, non-shielded, 5mm, DC, 3-wire, PNP-NO, 2m cable | 39.23 | 4536854116391 |
| 144995 | TL-W5MB2 2M | Proximity sensor, inductive, unshielded, 5mm, DC, 3-wire, PNP-NC, 2m cable | 39.96 | 4536854647376 |
| 110287 | TL-W5MC1 2M | Proximity sensor, inductive, unshielded, 5mm, DC, 3-wire, NPN-NO, 2m cable | 38.45 | 4536854116261 |
| 110298 | TL-W5MD1 2M | Proximity sensor, inductive, unshielded, 5mm, DC, 2-wire DC, NO, 2m cable | 59.75 | 4536854116537 |
| 110301 | TL-W5MD2 2M | Proximity sensor, inductive, non-shielded, 5mm, DC, 2-wire DC, NC, 2m cable | 59.75 | 4536854116575 |



Miniature square inductive sensor in plastic housing

The E2S family features miniature block style plastic housings for simple mounting on flat surfaces. The durable plastic housing with front or side facing sensing surfaces, provide best value-performance ratio for machine part movement detection.

- Miniature housing with long sensing ranges
- Front and side facing sensing surfaces
- Simple mounting with one screw
- IP67

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 233113 | E2S-Q15 1M | Miniature rectangular Inductive, end face sensing, unshielded, 1.6mm, PNP, NO, 1M cable | 40.77 | 4536854841651 |
| 231595 | E2S-Q21 1M | Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, 2 wire DC, NO, 1M cable | 40.77 | 4536854841682 |
| 231599 | E2S-Q23 1M | Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, NPN, NO, 1m cable | 44.30 | 4536854841767 |
| 231602 | E2S-Q25 1M | Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, PNP, NO, 1M cable | 44.30 | 4536854841798 |
| 231592 | E2S-Q25 2M | Miniature rectangular Inductive, end face sensing, unshielded, 2.5 mm, PNP, NO, 2 m cable | 48.57 | 4547648285933 |
| 231589 | E2S-Q26 1M | Miniature rectangular Inductive, end face sensing, unshielded, 2.5mm, PNP, NC, 1m cable | 38.31 | 4536854841811 |
| 233119 | E2S-W13 1M | Miniature rectangular Inductive, front face sensing, unshielded, 1.6mm, NPN, NO, 1M cable | 40.77 | 4536854841873 |
| 233123 | E2S-W15 1M | Miniature rectangular Inductive, front face sensing, unshielded, 1.6mm, PNP, NO, 1M cable | 57.85 | 4536854841927 |
| 231604 | E2S-W21 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, 2 wire DC, NO, 1M cable | 38.31 | 4536854841958 |
| 231605 | E2S-W21B 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5 mm, 2 wire DC, NO, alternative frequency, 1 m cable | 47.85 | 4536854841972 |
| 231606 | E2S-W22 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, 2 wire DC, NC, 1M cable | 40.77 | 4536854842009 |
| 231608 | E2S-W23 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, NPN, NO, 1M cable | 44.30 | 4536854842054 |
| 231610 | E2S-W25 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, PNP, NO, 1m cable | 44.30 | 4536854842122 |
| 231591 | E2S-W26 1M | Miniature rectangular Inductive, front face sensing, unshielded, 2.5mm, PNP, NC, 1M cable | 37.97 | 4536854842146 |



Long distance inductive proximity sensor in plastic housing

The long sensing distance and simple installation on flat surfaces make the E2Q5 ideal for the detection of large metal objects for example in automotive assembly lines.

- M12 Plug-in connection
- Integrated short circuit and reverse polarity protection
- Active face position: Y-axis 15°, X-axis 90° increments

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 237305 | E2Q5-N20E1-M1 | Long distance square inductive proximity sensor, 20mm, shielded, NPN, NO | 55.95 | 4547648332057 |
| 237306 | E2Q5-N20F1-M1 | Long distance square inductive proximity sensor, 20mm, shielded, PNP, NO | 55.95 | 4547648332064 |
| 237310 | E2Q5-N20F3-M1 | Long distance square inductive proximity sensor, 20mm, shielded, PNP, NO & NC | 61.50 | 4547648332217 |
| 237307 | E2Q5-N40ME1-M1 | Long distance square inductive proximity sensor, 40mm, unshielded, NPN, NO | 57.25 | 4547648332187 |
| 237308 | E2Q5-N40MF1-M1 | Long distance square inductive proximity sensor, 40mm, unshielded, PNP, NO | 57.95 | 4547648332194 |
| 237312 | E2Q5-N40MF3-M1 | Long distance square inductive proximity sensor, 40mm, unshielded, PNP, NO & NC | 63.45 | 4547648332224 |

M12 Connector Cordsets



XS2 Connector Cordsets with M12 watertight single-ended and extension cordsets.

- Surpasses IP67 requirements and ensures 94V-0 fire retardant rating
- Quick disconnect simplifies maintenance and reduces down time
- Extension cable has one female socket, one male plug
- Single-end I/O connector has a female socket with attached cable
- Make custom length cordsets using connector assemblies

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 107733 | XS2C-D421 | Sensor connector, M12, female, straight for DC type | 8.91 | 4536854222320 |
| 155975 | XS2C-D4S1 | M12 4-pin, straight female screw connector, for 5-6mm cable | 6.75 | 4536854455919 |
| 374557 | XS2C-D5S1 | M12 5-pin, straight female screw connector, for 5-6 mm cable | 9.64 | 4536854735523 |
| 107677 | XS2F-D421-D80-F | Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 2 m | 18.21 | 4536854224805 |
| 107714 | XS2F-D421-E80-F | Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 3 m | 26.26 | 4536854478857 |
| 107678 | XS2F-D421-G80-F | Cable M12 4-pin, Socket, Straight, Fire-retardant, Robot cable, 4 wire, 5 m | 29.89 | 4536854224812 |
| 107675 | XS2F-D421-GD0 | Sensor Cable | 18.99 | 4536854224690 |
| 107680 | XS2F-D421-J80-F | Sensor connector, M12 straight, 10 m, Fire-retardant, vibration-proof | 47.65 | 4536854224881 |
| 355664 | XS2F-D422-D80-F | Cable M12 4-pin, Socket, Angled, Fire-retardant, Robot cable, 4 wire, 2 m | 21.00 | 4547648698047 |
| 355663 | XS2F-D422-G80-F | Cable M12 4-pin, Socket, Angled, Fire-retardant, Robot cable, 4 wire, 5 m | 33.67 | 4547648622073 |
| 359239 | XS2F-D422-J80-F | Sensor connector, female, M12, PVC, 4-pin, L-shaped, fire-retardant, robot cable, 10 m | 43.00 | 4547648623322 |
| 150307 | XS2F-D521-DG0-A | Sensor connector, M12, 5 PIN, straight, 5 m cable | 18.59 | 4536854224515 |
| 358068 | XS2F-LM12PVC3A2M | Sensor connector, LITE M12 3-wire, Angled female connector, LITE PVC, 2m | 6.44 | 4548583127135 |
| 358069 | XS2F-LM12PVC3A5M | Sensor connector, LITE M12 3-wire, Angled female connector, LITE PVC, 5m | 8.17 | 4548583127159 |
| 361131 | XS2F-LM12PVC3S10M | Sensor connector, LITE M12 3-wire, Straight female connector, LITE PVC, 10m | 11.50 | 4548583135277 |
| 358071 | XS2F-LM12PVC3S5M | Sensor connector, LITE M12 3-wire, Straight female connector, LITE PVC, 5m | 8.17 | 4548583127210 |
| 361128 | XS2F-LM12PVC4A10M | Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 10m | 11.50 | 4548583127258 |
| 358072 | XS2F-LM12PVC4A2M | Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 2m | 6.44 | 4548583127227 |
| 358073 | XS2F-LM12PVC4A5M | Sensor connector, LITE M12 4-wire, Angled female connector, LITE PVC, 5m | 8.17 | 4548583127234 |
| 361129 | XS2F-LM12PVC4S10M | Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 10m | 11.50 | 4548583127302 |
| 358074 | XS2F-LM12PVC4S2M | Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 2m | 6.44 | 4548583127272 |
| 358075 | XS2F-LM12PVC4S5M | Sensor connector, LITE M12 4-wire, Straight female connector, LITE PVC, 5m | 8.17 | 4548583127289 |
| 419157 | XS2F-M12PUR3A5M | Sensor connector, M12 3-wire, Angled female connector, PUR, 5 m | 14.35 | 4548583435001 |
| 419161 | XS2F-M12PUR4A10M | Sensor connector, M12 4-wire, Angled female connector, PUR, 10 m | 21.84 | 4548583435049 |
| 378111 | XS2F-M12PUR4A10MPLED | Sensor Connector, female, M12, PUR, 4 Pin, Angled, 10 m, LED indicator (PNP) | 43.64 | 4548583440371 |
| 419164 | XS2F-M12PUR4A2M | Sensor connector, M12 4-wire, Angled female connector, PUR, 2 m | 10.75 | 4548583435070 |
| 419165 | XS2F-M12PUR4A5M | Sensor connector, M12 4-wire, Angled female connector, PUR, 5 m | 13.75 | 4548583435087 |
| 378110 | XS2F-M12PUR4A5MPLED | Sensor Connector, female, M12, PUR, 4 Pin, Angled, 5M, LED indicator (PNP) | 29.84 | 4548583440364 |
| 419166 | XS2F-M12PUR4S10M | Sensor connector, M12 4-wire, Straight female connector, PUR, 10 m | 22.01 | 4548583435094 |
| 419169 | XS2F-M12PUR4S2M | Sensor connector, M12 4-wire, Straight female connector, PUR, 2 m | 10.77 | 4548583435124 |
| 419170 | XS2F-M12PUR4S5M | Sensor connector, M12 4-wire, Straight female connector, PUR, 5 m | 14.35 | 4548583435131 |
| 419176 | XS2F-M12PUR5S5M | Sensor connector, M12 5-wire, Straight female connector, PUR, 5 m | 17.46 | 4548583435193 |
| 378101 | XS2F-M12PVC3A5MPLED | Sensor Connector, female, M12, PVC, 3 Pin, Angled, 5 m, LED indicator (PNP) | 23.02 | 4548583440395 |
| 419183 | XS2F-M12PVC4A10M | Sensor connector, M12 4-pin, Angled female connector, PVC, 10 m | 19.17 | 4548583435261 |
| 419186 | XS2F-M12PVC4A2M | Sensor connector, M12 4-pin, Angled female connector, PVC, 2 m | 8.99 | 4548583435292 |
| 378103 | XS2F-M12PVC4A2MPLED | Sensor Connector, female, M12, PVC, 4 Pin, Angled, 2M, LED indicator (PNP) | 25.83 | 4548583440296 |
| 419187 | XS2F-M12PVC4A5M | Sensor connector, M12 4-pin, Angled female connector, PVC, 5 m | 12.93 | 4548583435308 |
| 378104 | XS2F-M12PVC4A5MPLED | Sensor Connector, female, M12, PVC, 4 Pin, Angled, 5M, LED indicator (PNP) | 27.86 | 4548583440302 |
| 419188 | XS2F-M12PVC4S10M | Sensor connector, M12 4-pin, Straight female connector, PVC, 10 m | 17.57 | 4548583435315 |
| 419190 | XS2F-M12PVC4S20M | Sensor connector, M12 4-pin, Straight female connector, PVC, 20 m | 29.23 | 4548583435339 |
| 419191 | XS2F-M12PVC4S2M | Sensor connector, M12 4-pin, Straight female connector, PVC, 2 m | 9.60 | 4548583435346 |
| 419193 | XS2F-M12PVC4S5M | Sensor connector, M12 4-pin, Straight female connector, PVC, 5 m | 12.93 | 4548583435360 |
| 419195 | XS2F-M12PVC5A2M | Sensor connector, M12 5-pin, Angled female connector, PVC, 2 m | 9.54 | 4548583435384 |
| 419196 | XS2F-M12PVC5A5M | Sensor connector, M12 5-pin, Angled female connector, PVC, 5 m | 13.78 | 4548583435391 |
| 419197 | XS2F-M12PVC5S10M | Sensor connector, M12 5-pin, Straight female connector, PVC, 10 m | 20.33 | 4548583435407 |
| 419199 | XS2F-M12PVC5S2M | Sensor connector, M12 5-pin, Straight female connector, PVC, 2 m | 11.21 | 4548583435421 |
| 419200 | XS2F-M12PVC5S5M | Sensor connector, M12 5-pin, Straight female connector, PVC, 5 m | 13.55 | 4548583435438 |
| 107630 | XS2G-D421 | Sensor connector, M12, male, solder connection, straight for DC, for cable diameters 5-6 mm | 10.13 | 4536854225642 |
| 107634 | XS2G-D4S1 | M12 4-pin, straight male screw connector, for 5-6mm cable | 8.17 | 4536854455971 |
| 374560 | XS2G-D5S1 | Plug (male) connector M12, 5 pin, screw fix, straight | 9.83 | 4536854735516 |
| 107608 | XS2W-D421-D81-F | Cable M12 4-pin, Sockets and plugs on cable ends, Straight/Straight, Fire-retardant, Robot cable, 2 m | 30.70 | 4536854465024 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------------|--|-----------|---------------|
| 107609 | XS2W-D421-G81-F | Sensor connector, M12, 4-wire, straight, female-male, PVC, 5 m | 47.96 | 4536854465031 |
| 668475 | XS2W-D424-G81-F | Sensor I/O cable (4-wire), connector on both ends (angled M12 socket, straight M12 plug), robot, fire retardant, 5 m | 35.66 | 4547648609876 |
| 237197 | XS5F-D421-C80-F | M12 4-pin, Straight female connector, IP69K, Robot cable, 1 m | 16.14 | 4547648305082 |
| 237228 | XS5F-D421-D80-F | Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 2m | 18.59 | 4547648305099 |
| 237198 | XS5F-D421-E80-F | M12 4-pin, Straight female connector, IP69K, Robot cable, 3m | 23.02 | 4547648305105 |
| 237229 | XS5F-D421-G80-F | Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 5m | 26.26 | 4547648305112 |
| 237230 | XS5F-D421-J80-F | Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 10m | 38.66 | 4547648305129 |
| 669139 | XS5F-D421-L80-F | Sensor connector, M12 4-pin, Straight female connector, IP69K, Robot cable, 20 m | 70.95 | 4548583081857 |
| 237220 | XSSW-D421-C81-F | Smartclick sensor connector plug and socket, M12, straight, 1 m robot cable | 24.33 | 4547648305181 |
| 237236 | XSSW-D421-D81-F | Smartclick sensor connector plug and socket, M12, straight, 2 m robot cable | 25.66 | 4547648305198 |
| 237221 | XSSW-D421-E81-F | Smartclick sensor connector plug and socket, M12, straight, 3 m robot cable | 28.68 | 4547648305204 |
| 237237 | XSSW-D421-G81-F | Smartclick sensor connector plug and socket, M12, straight, 5 m robot cable | 37.99 | 4547648305211 |
| 237238 | XSSW-D421-J81-F | Smartclick sensor connector plug and socket, M12, straight, 10 m robot cable | 48.32 | 4547648305228 |
| 107409 | Y92E-A34 | Mounting Bracket for E2K sensor | 5.64 | 4536854247293 |
| 681044 | Y92E-B12 | Sensor mounting bracket, M12 size | 3.68 | 4549734156547 |
| 681043 | Y92E-B18 | Sensor mounting bracket, M18 size | 3.68 | 4549734156554 |
| 144997 | Y92E-B30 | Sensor mounting bracket, M30 size | 3.67 | 4536854247286 |
| 206551 | Y92E-M08PUR4S5M-L | M8 4-pin, Straight female connector, PUR, 5 m | 17.17 | 4536853901103 |
| 206580 | Y92E-M08PVC4Sconf-L | M8 4-pin, Straight female screw connector, for 3.5 to 5 mm cable | 23.75 | 4536853901219 |
| 341554 | Y92E-M12FSM12MSPURSH806M-L | Receiver M12 8-pin shielded cable, male-female, for control box F39-TGR-W-IBOX, 0,6 m | 36.54 | 4547648887007 |
| 341557 | Y92E-M12FSM12MSPURSH810M-L | Receiver cable M12 8-pin, male/female, for control box F39-TGR-W-IBOX, 10m | 74.15 | 4547648887038 |
| 341555 | Y92E-M12FSM12MSPURSH82M-L | Receiver cable M12 8-pin, male/female, for control box F39-TGR-W-IBOX, 2m | 40.07 | 4547648887014 |
| 206552 | Y92E-M12PUR4A5M-L | M12 4-pin, Angled female connector, PUR, 5 m | 16.18 | 4536853901318 |
| 362690 | Y92E-M12PUR4A5M-R | M12 4-pin Straight female connector, Robot cable, PUR, 5m | 27.55 | 4547648932189 |
| 206553 | Y92E-M12PUR4S5M-L | M12 4-pin, Straight female connector, PUR, 5 m | 16.08 | 4536853901349 |
| 341552 | Y92E-M12PURSH4S10M-L | Emitter cable M12 4-pin, female connector, shielded cable 10m | 53.30 | 4547648886987 |
| 341553 | Y92E-M12PURSH4S25M-L | Emitter cable M12 4-pin, female connector, shielded cable 25m | 103.20 | 4547648886994 |
| 341550 | Y92E-M12PURSH4S2M-L | Emitter cable M12 4-pin, female connector, shielded cable 2m | 27.55 | 4547648886963 |
| 341551 | Y92E-M12PURSH4S5M-L | Emitter cable M12 4-pin, female connector, shielded cable 5m | 28.36 | 4547648886970 |
| 341548 | Y92E-M12PURSH8S10M-L | Receiver cable M12 8-pin, female connector, shielded cable 10m | 47.65 | 4547648886949 |
| 341549 | Y92E-M12PURSH8S25M-L | Receiver cable M12 8-pin, female connector, shielded cable 25m | 127.60 | 4547648886956 |
| 341546 | Y92E-M12PURSH8S2M-L | Receiver cable M12 8-pin, female connector, shielded cable 2m | 31.26 | 4547648886925 |
| 341547 | Y92E-M12PURSH8S5M-L | Receiver cable M12 8-pin, female connector, shielded cable 5m | 36.95 | 4547648886932 |
| 206582 | Y92E-MM08PVC4Sconf-L | Sensor Connector field assembly, male, M8, PVC, 4 pin, Straight | 24.26 | 4536853900939 |
| 244005 | Y92E-S12PVC4A10M-L | Sensor connector, M12 4-pin, Angled female connector, IP69K, PVC, 10 m, SUS nut | 33.29 | 4547648852944 |
| 224784 | Y92E-S12PVC4A5M-L | Sensor connector, M12 4-pin, Angled female connector, IP69K, PVC, 5 m, SUS nut | 17.28 | 4536853903572 |
| 242626 | Y92E-S12PVC4S10M-L | Sensor connector, M12 4-pin, Straight female connector, IP69K, PVC, 10 m, SUS nut | 27.55 | 4547648852524 |
| 224783 | Y92E-S12PVC4S5M-L | Sensor connector, M12 4-pin, Straight female connector, IP69K, PVC, 5 m, SUS nut | 17.17 | 4536853903565 |



M8 Connector Cordsets

XS3 Connector Cordsets with M8 single-ended and extension cordsets for reduced maintenance.

- Surpasses IP67 requirements and ensures 94V-0 fire retardant rating
- Quick disconnect simplifies maintenance and reduces down time
- Extension cable has one female socket, one male plug
- Single-end I/O connector has a female socket with attached cable
- Robotic cable and vibration-proof connectors withstand repeated flexing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 250788 | XS3F-E421-405-A | M8 4-pin, Straight female SUS-connector, IP69K, PVC, 5m | 27.04 | 4547648386463 |
| 358076 | XS3F-LM8PVC3A2M | Sensor connector, M8 3-wire, Angled female connector, PVC, 2m | 5.67 | 4548583127005 |
| 358077 | XS3F-LM8PVC3A5M | Sensor connector, M8 3-wire, Angled female connector, PVC, 5m | 7.39 | 4548583127012 |
| 358078 | XS3F-LM8PVC3S2M | Sensor connector, M8 3-wire, Straight female connector, PVC, 2m | 5.67 | 4548583127036 |
| 358079 | XS3F-LM8PVC3S5M | Sensor connector, M8 3-wire, Straight female connector, PVC, 5m | 7.39 | 4548583127043 |
| 358080 | XS3F-LM8PVC4A2M | Sensor connector, M8 4-wire, Angled female connector, PVC, 2m | 5.67 | 4548583127050 |
| 358081 | XS3F-LM8PVC4A5M | Sensor connector, M8 4-wire, Angled female connector, PVC, 5m | 7.39 | 4548583127067 |
| 358082 | XS3F-LM8PVC4S2M | Sensor connector, M8 4-wire, Straight female connector, PVC, 2m | 5.67 | 4548583127081 |
| 358083 | XS3F-LM8PVC4S5M | Sensor connector, M8 4-wire, Straight female connector, PVC, 5m | 7.39 | 4548583127098 |
| 372023 | XS3F-M321-305-R | Sensor connector, female, M8, PVC, 3 pin, straight, fire-retardant, vibration-proof robot cable, 5 m | 9.30 | 4548583359499 |
| 372025 | XS3F-M322-305-R | Sensor connector, female, M8, PVC, 3 pin, angled, vibration-proof robot cable, 5 m | 9.30 | 4548583359512 |
| 107537 | XS3F-M421-402-A | M8 4-pin, Straight female connector, IP67, standard cable 2m | 12.93 | 4536854505812 |
| 156301 | XS3F-M421-402-R | Sensor connector, M8 4-pin, Straight female connector, IP67, robot cable 2m | 14.18 | 4536854228599 |
| 105016 | XS3F-M421-405-A | M8 4-pin, Straight female connector, IP67, standard cable 5 m | 16.14 | 4536854505829 |
| 107621 | XS3F-M421-405-R | M8 4-pin, Straight female connector, IP67, robot cable 5 m | 13.46 | 4536854228605 |
| 107538 | XS3F-M422-402-A | M8 4-pin, 90° female connector, IP67, standard cable 2m | 12.93 | 4536854505843 |
| 141967 | XS3F-M422-405-A | M8 4-pin, 90° female connector, IP67, standard cable 5 m | 16.14 | 4536854505850 |
| 419217 | XS3F-M8PUR3A10M | Sensor connector, M8 3-wire, Angled female connector, PUR, 10 m | 21.17 | 4548583436589 |
| 419220 | XS3F-M8PUR3A2M | Sensor connector, M8 3-wire, Angled female connector, PUR, 2 m | 9.17 | 4548583436619 |
| 419221 | XS3F-M8PUR3A5M | Sensor connector, M8 3-wire, Angled female connector, PUR, 5 m | 13.61 | 4548583436626 |
| 419222 | XS3F-M8PUR3S10M | Sensor connector, M8 3-wire, Straight female connector, PUR, 10 m | 17.84 | 4548583436633 |
| 419226 | XS3F-M8PUR3S5M | Sensor connector, M8 3-wire, Straight female connector, PUR, 5 m | 13.61 | 4548583436671 |
| 419227 | XS3F-M8PUR4A10M | Sensor connector, M8 4-wire, Angled female connector, PUR, 10 m | 21.17 | 4548583436701 |
| 419231 | XS3F-M8PUR4A5M | Sensor connector, M8 4-wire, Angled female connector, PUR, 5 m | 14.17 | 4548583436749 |
| 419232 | XS3F-M8PUR4S10M | Sensor connector, M8 4-wire, Straight female connector, PUR, 10 m | 21.17 | 4548583436756 |
| 419235 | XS3F-M8PUR4S2M | Sensor connector, M8 4-wire, Straight female connector, PUR, 2 m | 9.99 | 4548583436787 |
| 419236 | XS3F-M8PUR4S5M | Sensor connector, M8 4-wire, Straight female connector, PUR, 5 m | 13.50 | 4548583436794 |
| 419241 | XS3F-M8PVC3A5M | Sensor connector, M8 3-wire, Angled female connector, PVC, 5 m | 12.10 | 4548583436848 |
| 419242 | XS3F-M8PVC3S10M | Sensor connector, M8 3-wire, Straight female connector, PVC, 10 m | 18.33 | 4548583436855 |
| 419246 | XS3F-M8PVC3S5M | Sensor connector, M8 3-wire, Straight female connector, PVC, 5 m | 11.66 | 4548583436893 |
| 419250 | XS3F-M8PVC4A2M | Sensor connector, M8 4-wire, Angled female connector, PVC, 2 m | 9.85 | 4548583436954 |
| 419252 | XS3F-M8PVC4S10M | Sensor connector, M8 4-wire, Straight female connector, PVC, 10m | 18.33 | 4548583436978 |
| 419254 | XS3F-M8PVC4S20M | Sensor connector, M8 4-wire, Straight female connector, PVC, 20 m | 26.01 | 4548583436992 |
| 419256 | XS3F-M8PVC4S5M | Sensor connector, M8 4-wire, Straight female connector, PVC, 5m | 11.97 | 4548583437012 |
| 387059 | XS3W-M321-302-R | Screw-mounting connector, M8, 3-poles, PVC vibration-proof robot cable, F straight/ M straight, 2 m | 26.68 | 4548583432284 |



Round waterproof IDC pressure-welded assembly M12 field attachable connectors

XS5C/XS5G-D418 IDC type connectors have been specially developed for fast and easy connection without any special tools. The only tools you'll need are wire cutters and two wrenches.

- Fast and easy IDC Pressure-welded Assembly
- One connector for cable diameters of 3 mm to 8 mm
- IP67 for waterproof connection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 377248 | XS5C-D418 | Sensor Connector, female, M12, PVC, 4 Pin, Straight, ICD connection | 7.56 | 4548583407824 |
| 377249 | XS5G-D418 | Sensor Connector, male, M12, PVC, 4 Pin, Straight, ICD connection | 7.56 | 4548583407831 |

Y92E-S_PP

Cable connectors

Detergent Resistant Cable Connectors

IP69K Rated Sensor Connector Cordsets for Food, Beverage, Pharma applications.

- 3-Pin and 4-Pin Connectors, M8 and M12 Sizes
- Food Grade SUS316L Ferrules
- Use with Chemical resistant Photoelectric and Inductive sensors – E3FC, E3ZM and E2EH
- Straight and Angled Connectors



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 393699 | Y92E-S08PP3S 5M | Cable connector M8, Polypropylene, single ended cordset, female, straight, 3 pole, 5 M | 21.84 | 4547648986397 |
| 393711 | Y92E-S08PP4S 5M | Cable connector M8, Polypropylene, single ended cordset, female, straight, 4 pole, 5 m | 27.12 | 4547648986519 |
| 393717 | Y92E-S12PP4A 5M | Cable connector M12, Polypropylene, single ended cordset, female, angled, 4 pole, 5 m | 21.26 | 4547648986571 |
| 393723 | Y92E-S12PP4S 5M | Cable connector M12, Polypropylene, single ended cordset, female, straight, 4 pole, 5 m | 21.26 | 4547648986632 |

Additional inductive sensors

Additional inductive sensors

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|--|-----------|---------------|
| 233069 | E2E2-X10MY1 2M | Proximity sensor, long body, M18, unshielded, 10 mm, NO, AC, 2-wire, 2 m cable | 76.35 | 4547648310109 |
| 233078 | E2E2-X10Y1 2M | Proximity sensor, long body, M30, shielded, 10 mm, NO, AC, 2-wire, 2 m cable | 83.10 | 4547648310192 |
| 233066 | E2E2-X2Y1 2M | Proximity sensor, long body, M12, shielded, 2 mm, NO, AC, 2-wire, 2 m cable | 63.15 | 4547648310079 |
| 233072 | E2E2-X5Y1 2M | Proximity sensor, long body, M18, shielded, 5 mm, NO, AC, 2-wire, 2 m cable | 76.35 | 4547648310130 |
| 674702 | E2EF-X12D1 2M | Proximity sensor, Stailess steel, Metal head for long distance detection, M30, Sn=12 mm, 2-wire, NO, 2 m cable | 129.30 | 4548583354661 |
| 290144 | E2EM-X4X1 2M | Proximity sensor M12, DC 2-Wire Model, Shielded, Sensing Distance 4 mm, Operation Mode NO, cable 2 m | 67.35 | 4547648629706 |
| 290153 | E2EM-X8X1 2M | Proximity sensor M18, DC 2-Wire Model, Shielded, Sensing Distance 4 mm, Operation Mode NO, cable 2 m | 70.30 | 4547648630177 |
| 324434 | E2EQ-X10D1G-M1GJ-T 0.3M | Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 10 mm, DC, 2-wire DC, NO, M12 pigtail cable | 111.50 | 4547648631464 |
| 324436 | E2EQ-X3D1G-M1GJ-T 0.3M | Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 3 mm, DC, 2-wire DC, NO, M12 pigtail cable | 93.60 | 4547648631501 |
| 324437 | E2EQ-X7D1G-M1GJ-T 0.3M | Proximity sensor, inductive, Spatter resistant coating, M12, shielded, 7 mm, DC, 2-wire DC, NO, M12 pigtail cable | 89.75 | 4547648631525 |
| 238543 | E2E-X10D1-M1G | Proximity sensor, inductive, M30, shielded, 10 mm, DC, 2-wire, NO, M12 Connector | 103.00 | 4547648407861 |
| 238467 | E2E-X10D1-N 2M | Proximity sensor, inductive, M30, shielded, 10mm, DC, 2-wire, NO, 2m cable | 72.90 | 4547648405942 |
| 238362 | E2E-X10ME1 2M | Proximity sensor, inductive | 63.30 | 4547648403917 |
| 238378 | E2E-X10MF1 2M | Proximity sensor, inductive, M18, non-shielded, 10 mm, DC, 3-wire, PNP-NO, 2 m cable PVC oil-resistant | 54.85 | 4547648404075 |
| 238407 | E2E-X10MY1 2M | Proximity sensor, inductive, M18, unshielded, 10mm, AC, 2-wire, NO, 2m cable | 89.35 | 4547648404723 |
| 238408 | E2E-X10MY2 2M | Proximity sensor, inductive, M18, unshielded, 10mm, AC, 2-wire, NC, 2m cable | 83.75 | 4547648404730 |
| 238409 | E2E-X10Y1 2M | Proximity sensor, inductive, M30, shielded, 10mm, AC, 2-wire, NO, 2 m cable | 92.80 | 4547648404747 |
| 238485 | E2E-X14MD1 2M | Proximity sensor, inductive, M18, unshielded, 14mm, DC, 2-wire, NO, 2 m cable | 59.25 | 4547648406253 |
| 238547 | E2E-X14MD1-M1G | Proximity sensor, inductive, M18, unshielded, 14mm, DC, 2-wire, NO, M12 Connector | 68.50 | 4547648407922 |
| 238411 | E2E-X18MY1 2M | Proximity sensor, inductive, M30, unshielded, 18mm, AC, 2-wire, NO, 2m cable | 92.80 | 4547648404761 |
| 238412 | E2E-X18MY2 2M | Proximity sensor, inductive, M30, unshielded, 18 mm, AC, 2-wire, NC, 2 m cable | 92.80 | 4547648404778 |
| 238352 | E2E-X1R5E1 2M | Proximity sensor, inductive, M8, shielded, 1.5mm, DC, 3-wire, NPN-NO, 2m cable | 52.95 | 4547648403818 |
| 238368 | E2E-X1R5F1 2M | Proximity sensor, inductive, M8, shielded, 1.5 mm, DC, 3-wire, PNP-NO, 2 m cable | 62.60 | 4547648403979 |
| 238444 | E2E-X1R5F1-M1 | Proximity sensor, inductive, M8, shielded, 1.5 mm, DC, 3-wire, PNP-NO, M12 Connector | 68.15 | 4547648405386 |
| 238384 | E2E-X1R5Y1 2M | Proximity sensor, inductive, M8, shielded, 1.5mm, AC, 2-wire, NO, 2m cable | 81.50 | 4547648404136 |
| 238487 | E2E-X20MD1 2M | Proximity sensor, inductive, M30, unshielded, 20mm, DC, 2-wire, NO, 2m cable | 59.60 | 4547648406277 |
| 241131 | E2E-X20MD1-M1J 0.3M | Proximity sensor, inductive, M30, non-shielded, 20mm, DC, 2-wire, NO, pig-tail connector M12 | 129.30 | 4547648407106 |
| 238529 | E2E-X2D1-M1G | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, M12 Connector | 74.40 | 4547648407649 |
| 238563 | E2E-X2D1-M3G | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, M8 Connector | 52.95 | 4547648408196 |
| 238455 | E2E-X2D1-N 2M | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, 2m cable | 57.05 | 4547648405829 |
| 238456 | E2E-X2D1-N 5M | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NO, 5m cable | 64.45 | 4547648405836 |
| 238517 | E2E-X2D1-R 2M | Proximity sensor, inductive, M8, shielded, 2 mm, DC, 2-wire, NO, 2 m robotic cable | 73.65 | 4547648406963 |
| 238564 | E2E-X2D2-M3G | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NC, M8 4-pin connector | 52.95 | 4547648408202 |
| 238457 | E2E-X2D2-N 2M | Proximity sensor, inductive, M8, shielded, 2mm, DC, 2-wire, NC, 2m cable | 57.05 | 4547648405843 |
| 238356 | E2E-X2E1 2M | Proximity sensor, inductive, M12, shielded, 2mm, DC, 3-wire, NPN-NO, 2m cable | 62.60 | 4547648403856 |
| 238372 | E2E-X2F1 2M | Proximity sensor, inductive, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 49.94 | 4547648404013 |
| 238426 | E2E-X2F1-M1 | Proximity sensor, inductive, M12, shielded, 2mm, DC, 3-wire, PNP-NO, M12 Connector | 69.25 | 4547648405195 |
| 238370 | E2E-X2MF1 2M | Proximity sensor, inductive, M8, non-shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable PVC oil-resistant | 62.60 | 4547648403993 |
| 238413 | E2E-X2Y1 2M | Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NO, 2m cable | 81.05 | 4547648404785 |
| 238432 | E2E-X2Y1-M1 | Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NO, M12 connector | 79.55 | 4547648405256 |
| 238414 | E2E-X2Y2 2M | Proximity sensor, inductive, M12, shielded, 2mm, AC, 2-wire, NC, 2m cable | 81.05 | 4547648404792 |
| 238539 | E2E-X3D1-M1G | Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NO, M12 Connector | 74.40 | 4547648407809 |
| 238533 | E2E-X3D1-M1GJ 0.3M | Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 0.3 m cable with M12 connector | 101.40 | 4547648407687 |
| 257076 | E2E-X3D1-M1J 0.3M | Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NO, pig tail connector, m12, 4 pin | 120.50 | 4547648407052 |
| 238459 | E2E-X3D1-N 2M | Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 2 m cable | 50.35 | 4547648405867 |
| 238460 | E2E-X3D1-N 5M | Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NO, 5 m cable | 57.75 | 4547648405874 |
| 238540 | E2E-X3D2-M1G | Proximity sensor, inductive, M12, shielded, 3mm, DC, 2-wire, NC, M12 connector | 76.25 | 4547648407823 |
| 238461 | E2E-X3D2-N 2M | Proximity sensor, inductive, M12, shielded, 3 mm, DC, 2-wire, NC, pre-wired, 2 m cable | 49.61 | 4547648405881 |
| 238482 | E2E-X4MD1 2M | Proximity sensor, inductive, M8, unshielded, 4mm, DC, 2-wire, NO, 2m cable | 51.85 | 4547648406215 |
| 238360 | E2E-X5E1 2M | Proximity sensor, inductive, M18, shielded, 5 mm, DC, 3-wire, NPN-NO, 2 m cable | 67.75 | 4547648403894 |
| 238427 | E2E-X5E1-M1 | Proximity sensor, inductive, M18, shielded, 5mm, DC, 3-wire, NPN-NO M12 connector | 70.30 | 4547648405201 |
| 238376 | E2E-X5F1 2M | Proximity sensor, inductive, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable | 54.85 | 4547648404051 |
| 238445 | E2E-X5F1-M1 | Proximity sensor, inductive, M18, shielded, 5mm, DC, 3-wire, PNP-NO, M12 Connector | 70.30 | 4547648405393 |
| 238358 | E2E-X5ME1 2M | Proximity sensor, inductive, M12, unshielded, 5mm, DC, 3-wire, NPN-NO, 2m cable | 49.24 | 4547648403870 |
| 238429 | E2E-X5ME1-M1 | Proximity sensor, inductive, M12, non-shielded, 5mm, DC, 3-wire, NPN/NO, connector M12 | 70.30 | 4547648405225 |
| 238374 | E2E-X5MF1 2M | Proximity sensor, inductive, M12, unshielded, 5mm, DC, 3-wire, PNP-NO, 2m cable | 49.24 | 4547648404037 |
| 238449 | E2E-X5MF1-M1 | Proximity sensor, inductive, M12, non-shielded, 5mm, DC, 3-wire, PNP/NO, connector M12 | 69.25 | 4547648405430 |
| 238415 | E2E-X5MY1 2M | Proximity sensor, inductive, M12, unshielded, 5mm, AC, 2-wire, NO, 2m cable | 81.05 | 4547648404808 |
| 238388 | E2E-X5MY2 2M | Proximity sensor, inductive, M12, unshielded, 5mm, AC, 2-wire, NC, 2m cable | 81.05 | 4547648404259 |
| 238389 | E2E-X5Y1 2M | Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NO, 2m cable | 74.95 | 4547648404266 |
| 238434 | E2E-X5Y1-M1 | Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NO, M12 Connector | 74.20 | 4547648405270 |
| 238390 | E2E-X5Y2 2M | Proximity sensor, inductive, M18, shielded, 5mm, AC, 2-wire, NC, 2m cable | 86.80 | 4547648404273 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 238541 | E2E-X7D1-M1G | Proximity sensor, inductive, M18, shielded, 7 mm, DC, 2-wire, NO, M12 connector | 83.25 | 4547648407830 |
| 238534 | E2E-X7D1-M1GJ 0.3M | Proximity sensor, inductive, M18, shielded, 7 mm, DC, 2-wire, NO, pig tail connector, m12, 4 pin | 65.95 | 4547648407694 |
| 238524 | E2E-X7D1-M1J-T 0.3M | Proximity sensor, M18, shielded, 7 mm, DC, 2-wire, NO, No polarity, 0.3 m cable with M12 connector | 66.30 | 4547648407151 |
| 238463 | E2E-X7D1-N 2M | Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NO, 2m cable | 53.65 | 4547648405904 |
| 238464 | E2E-X7D1-N 5M | Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NO, 5m cable | 58.55 | 4547648405911 |
| 238542 | E2E-X7D2-M1G | Proximity sensor, M18, shielded, 7 mm, DC, 2-wire, NC | 61.15 | 4547648407854 |
| 238465 | E2E-X7D2-N 2M | Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NC, 2m cable | 58.90 | 4547648405928 |
| 238466 | E2E-X7D2-N 5M | Proximity sensor, inductive, M18, shielded, 7mm, DC, 2-wire, NC, 5m cable | 57.75 | 4547648405935 |
| 238515 | E2E-X7T1 2M | Proximity sensor, inductive, nickel brass, M18, shielded, 7 mm. AC/DC 2-wire-NO | 93.60 | 4547648406925 |
| 238483 | E2E-X8MD1 2M | Proximity sensor, inductive, M12, unshielded, 8 mm, DC, 2-wire, NO, 2 m cable | 50.35 | 4547648406239 |
| 238545 | E2E-X8MD1-M1G | Proximity sensor, inductive, M12, unshielded, 8mm, DC, 2-wire, NO, Pig tail Connector | 69.25 | 4547648407892 |
| 235657 | E2F-X10F1 2M | Proximity sensor, plastic body, inductive, M30 shielded, 10 mm, DC 3-wire, PNP-NO, 2 m cable | 85.15 | 4547648321235 |
| 235694 | E2F-X2F1 2M | Proximity sensor, plastic body, inductive, M12, shielded, 2 mm, DC, 3-wire, PNP-NO, 2 m cable | 83.10 | 4547648321198 |
| 235696 | E2F-X5F1 2M | Proximity sensor, plastic body, inductive, M18, shielded, 5 mm, DC, 3-wire, PNP-NO, 2 m cable | 79.75 | 4547648321211 |
| 110588 | TL-N10MD1 | Proximity sensor, inductive, unshielded, Rectangular, 10mm, 2 wire DC, NO, 2m cable | 107.50 | 4536854113482 |
| 110591 | TL-N10ME1 2M | Inductive proximity sensor, 10 mm, unshielded, NPN/NO 2 m cable | 85.10 | 4536854478543 |
| 110593 | TL-N12MD1 2M | Inductive proximity sensor, 12 mm, unshielded, DC 2-wire NO, 2 m cable | 104.60 | 4536854478598 |
| 153722 | TL-N5ME1 2M | Inductive proximity sensor, 5 mm, unshielded, NPN/NO, 2 m cable | 134.10 | 4536854478536 |
| 151479 | TL-N7MD1 2M | Inductive proximity sensor, cuboid 25 x 25 mm, 7 mm, unshielded, DC-wire, NO, 2 m cable | 125.60 | 4536854478581 |
| 153723 | TL-Q2MC1 | Proximity sensor, inductive, unshielded, 2 mm, 3 wire, NPN, NO, 2 m cable | 93.25 | 4536854115035 |
| 110528 | TL-Q5MB1 2M | Inductive proximity sensor, 5 mm, PNP, NO, 2 m cable | 65.25 | 4536854115127 |
| 110518 | TL-Q5MC1 2M | Inductive proximity sensor, 5 mm, NPN, NO | 56.40 | 4536854114854 |
| 110520 | TL-Q5MC2 2M | Inductive proximity sensor, 5 mm, NPN, NC | 26.71 | 4536854114885 |
| 110526 | TL-Q5MD1 2M | Inductive proximity sensor, 5 mm, DC2-wire, NO | 57.05 | 4536854114991 |

ZX1 Laser displacement sensor

Highest performance for optimized productivity



For high precision laser CMOS sensor with separate amplifier see E3NC-S.

- Stable measurement for objects with any surface
- Best in class performance for accuracy and speed
- Compact size for quick mounting
- Increased measurement range
- Simple configuration by one-button, Smart Tuning
- Reliable measurement in harsh environments
- Integrated display

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 358735 | ZX1-LD100A81 2M | Laser displacement sensor, 100 +/- 35 mm, PNP, 2m cable | 873.00 | 4548583105843 |
| 358743 | ZX1-LD100A81 5M | Laser displacement sensor, 100 +/- 35 mm, PNP, 5m cable | 913.50 | 4548583105935 |
| 358751 | ZX1-LD100A86 0.5M | Laser displacement sensor, 100 +/- 35 mm, PNP, 0,5m pigtail connector | 996.00 | 4548583106048 |
| 358737 | ZX1-LD300A81 2M | Laser displacement sensor, 300 +/- 150 mm, PNP, 2m cable | 873.00 | 4548583105874 |
| 358745 | ZX1-LD300A81 5M | Laser displacement sensor, 300 +/- 150 mm, PNP, 5m cable | 913.50 | 4548583105959 |
| 358753 | ZX1-LD300A86 0.5M | Laser displacement sensor, 300 +/- 150 mm, PNP, 0,5m pigtail connector | 996.00 | 4548583106062 |
| 358733 | ZX1-LD50A81 2M | Laser displacement sensor, 50 +/- 10 mm. PNP, 2m cable | 873.00 | 4548583105829 |
| 358741 | ZX1-LD50A81 5M | Laser displacement sensor, 50 +/- 10 mm. PNP, 5m cable | 913.50 | 4548583105911 |
| 358749 | ZX1-LD50A86 0.5M | Laser displacement sensor, 50 +/- 10 mm. PNP, 0,5m pigtail connector | 996.00 | 4548583106024 |
| 358739 | ZX1-LD600A81 2M | Laser displacement sensor, 600 +/- 400 mm, PNP, 2m cable | 873.00 | 4548583105898 |
| 358747 | ZX1-LD600A81 5M | Laser displacement sensor, 600 +/- 400 mm, PNP, 5m cable | 913.50 | 4548583105980 |
| 358755 | ZX1-LD600A86 0.5M | Laser displacement sensor, 600 +/- 400 mm, PNP, 0,5m pigtail connector | 996.00 | 4548583106086 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 364865 | E39-L180 | Mounting bracket for ZX1-LD50/LD100 sensor | 32.38 | 4548583104938 |
| 364866 | E39-L181 | Mounting bracket for ZX1-LD300/LD600 sensor | 32.38 | 4548583104945 |
| 359063 | ZX0-XC10R | Extension cable ZX1 (for pre-wired connector models), 10m | 154.40 | 4548583104914 |



Stable, easy & affordable laser measurement sensor

High accuracy and measurement stability, at an affordable price. The new ZX2 laser sensor offers best in class performance for accuracy and speed for all linear displacement applications. Utilising an advanced HSDR-CMOS image sensor, high measurement stability is achieved, even on the most challenging of surfaces.

- One touch setup
- Accurate: 1.5–5 µm
- Any surface
- High speed: 30 µs

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 351521 | ZX2-LD100 0.5M | Laser displacement sensor, CMOS type, sensor head, spot beam type, 100mm +/-35mm, 5µm resolution, 0.5m cable | 718.50 | 4548583005938 |
| 351522 | ZX2-LD100L 0.5M | Laser displacement sensor, CMOS type, sensor head, line beam type, 100mm +/-35mm, 5µm resolution, 0.5m cable | 685.00 | 4548583005945 |
| 351519 | ZX2-LD50 0.5M | Laser displacement sensor, CMOS type, sensor head, spot beam type, 50mm +/-10mm, 1.5µm resolution, 0.5m cable | 663.00 | 4548583005914 |
| 351520 | ZX2-LD50L 0.5M | Laser displacement sensor, CMOS type, sensor head, line beam type, 50mm +/-10mm, 1.5µm resolution, 0.5m cable | 681.50 | 4548583005921 |
| 351516 | ZX2-LDA41 2M | Laser displacement sensor, CMOS type, amplifier unit, PNP output | 552.00 | 4548583005877 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 352349 | ZX2-CAL | Calculation unit for ZX2 smart sensor | 214.80 | 4548583005884 |
| 392414 | ZX2-SF11 | RS232C communication interface | 570.50 | 4548583488236 |
| 351517 | ZX2-XC1R | Extension cable (amplifier to head), 1m | 105.00 | 4548583005891 |
| 351518 | ZX2-XC4R | Extension cable (amplifier to head), 4m | 165.80 | 4548583005907 |
| 351523 | ZX2-XC9R | Extension cable (amplifier to head), 9m | 260.60 | 4548583005952 |



The scalable high-precision laser measurement sensor

Smart ZS-HL sensor offers superb dynamic sensing range for all surfaces from black rubber to glass and mirror surfaces by simply scaling it to your needs. The ZS-HL is the enhanced variant of the ZS-L, applicable for longer measurement distances, and offers compatibility with sensor heads and accessories.

- Highest resolution and dynamic sensing range for all surfaces
- Modular and scalable platform concept for up to 9 sensors
- Easy to use, install and maintain for all user levels
- Fast response time of 110 µs
- Multi-tasking capability - Manages up to 4 measurement tools in one controller

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 223618 | ZS-HLDC41 | ZS-H controller, analog output and PNP digital outputs | 1,485.00 | 4547648218634 |



Smart, fast and accurate Laser measurement sensor

Smart ZX-L offers plug & measure technology for applications where high resolution and fast response time is required. A wide range of interchangeable sensor heads provides greater flexibility in solving most demanding applications.

- Small and light sensor heads for easy integration
- High speed response time of 150µs
- Easy sensor head replacement
- Scalability through a modular platform concept
- Multipoint measurement with up to 5 sensors

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 154718 | ZX-LD100 | Laser displacement sensor head, 100+/-40mm, spot focus (requires amplifier) | 1,119.00 | 4536854772306 |
| 150241 | ZX-LD40 | Laser displacement sensor head, 40+/-10mm, spot focus (requires amplifier) | 1,119.00 | 4536854772290 |
| 169183 | ZX-LDA11-N 2M | Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor NPN outputs | 1,156.00 | 4547648027342 |
| 169184 | ZX-LDA41-N 2M | Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor PNP outputs | 1,178.00 | 4547648027359 |
| 106277 | ZX-LT005 | Laser sensor head, through-beam, 5mm beam width (requires amplifier) | 1,156.00 | 4536854810121 |
| 106279 | ZX-LT010 | Laser sensor head, through-beam, 10mm beam width (requires amplifier) | 1,163.00 | 4536854823633 |
| 182448 | ZX-LT030 0.5M | Laser sensor head, through-beam, 30mm beam width (requires amplifier) | 1,551.00 | 4547648147934 |

ZX-E

Inductive displacement sensor

Smart inductive measurement sensor

ZX-E offers the best solution for the accurate measurement of metallic objects. It is highly recommended in harsh environments such as automotive and metal working machines.

- High resolution of 1 µm
- High-speed response time of 150µs
- Easy sensor head replacement
- Modular platform concept for different sensing technologies
- Easy linearity adjustment for any metal



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 147926 | ZX-EDA41 2M | Proximity Smart Sensor amplifier and display, selectable voltage/current output, high/pass/low transistor, PNP output model | 929.00 | 4536854864063 |
| 162403 | ZX-EM02HT | Inductive proximity sensor head, 12mm dia., Heat resistant, 2mm sensing distance (requires ZX-EDA amplifier) | 1,091.00 | 4547648007979 |
| 106190 | ZX-EM02T | Inductive proximity sensor head, 10mm dia., Shielded type, 2mm sensing distance (requires ZX-EDA amplifier) | 633.00 | 4536854895777 |
| 106191 | ZX-EM07MT | Inductive proximity sensor head, 18mm dia., Shielded type, 7mm sensing distance (requires ZX-EDA amplifier) | 1,055.00 | 4536854895784 |



Smart Contact measurement sensor

ZX-T is ideal for applications where the target object may contain oil deposits or other micro-structures. In this case contact measurement is the most reliable way.

- Modular platform concept for different sensing technologies
- Air-retracting types for automated inspection
- Multipoint measurement with up to 8 sensors
- Pressing force alarm prevents malfunction
- Strong ball bearing structure assures long life time

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 175666 | ZX-TDA41 2M | Contact smart sensor amplifier and display, selectable voltage/current output, high/pass/low transistor, PNP output model | 1,168.00 | 4547648095488 |
| 168125 | ZX-TDS04T | Sensor head, standard type Ø 6 mm, distance 4 mm (for use with ZX-TDA) | 1,914.00 | 4547648006071 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 680914 | ZS-XRS3 | RS-232C cable, 2 m cable length, for PC connection | 152.00 | 4549734168717 |

ZG2

Profile sensor



Easy profile measurement - Teach & Go

The ZG2 enables precise shape measurement on challenging materials and surfaces. An easy and intuitive user interface enables efficient installation, setup and operation. A built-in LCD monitor indicates the measurement result in real time.

- Easy-to-use - intuitive user interface
- Live - built-in LCD monitor for setup and immediate profile display
- Versatile - 18 measurement tools
- Accurate - 5 µm resolution (3 mm / 631 pixels)
- Wide profiles - up to 70 mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 257544 | ZG2-WDC41A | ZG Profile sensor controller, PNP, 24 VDC, includes Smart Monitor ZG Software. | 4,800.00 | 4547648621687 |

Smart Laser Micrometer - Accurate and fast on all surfaces



The new ZX-GT Smart laser micrometer complements Omron's Smart Laser Measurement platform. ZX-GT is able to detect edges, measure diameters of objects and calculate precisely the position on all kind of materials. Based on CCD technology ZX-GT achieves high accuracy and speed under difficult environmental conditions. Transparent objects, reflective surfaces or different positions do not have an influence on the result. The PC Smart Monitor software helps to easily setup and configure the laser micrometer.

- High accuracy: 5 – 10µm
- All surfaces
- Long sensing distance: < 500 mm
- Line width up to 28mm
- Calculation unit for multiple heads

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 238017 | ZX-GT28S41 | Sensor head separate type, measuring width 28mm, distance 500mm, PNP (for use with ZX-GTC) | 2,833.00 | 4547648424400 |
| 238015 | ZX-GTC41 | controller, PNP output | 873.00 | 4547648424387 |

Additional measurement sensors

Additional measurement sensors

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 106271 | ZX-XC1A 1M | Extension cable (amplifier to head), 1m | 192.30 | 4536854776465 |
| 267630 | ZX-XC4A 4M | Extension cable (amplifier to head), 4m | 263.30 | 4547648597081 |
| 106274 | ZX-XC8A 8M | Extension cable (amplifier to head), 8m | 360.10 | 4536854810169 |



WL-N Series limit switches simplify installation

Models focus on the most popular features to make stocking easier.

- Improved durability and performance
- Reduced part numbers
- Easy wiring
- Direct and pre-wiring
- Ground terminal models are approved by EN and IEC and bear the CE marking
- UL, CSA

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 392899 | WLCA12-2NG-N | Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, overtravel 90°, DPDB, Pg13.5 with ground terminal | 96.45 | 4548583477520 |
| 392901 | WLCA12-GLD-N | Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, LED, Pg13.5 with ground terminal | 76.25 | 4548583477742 |
| 392927 | WLCA12-G-N | Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal | 58.30 | 4548583485198 |
| 392902 | WLCA12-THG-N | Limit switch, adjustable roller lever: R25 to 89 mm, pretravel 15±5°, DPDB, Heat-resistant: +5°C to +120°C, Pg13.5 with ground terminal | 111.60 | 4548583477858 |
| 392945 | WLCA2-2G-N | Limit switch, roller lever: R38 mm, pretravel 15±5°, Overtravel 90°, DPDB, Pg13.5 with ground terminal | 62.40 | 4548583478077 |
| 392905 | WLCA2-2NG-N | Limit switch, roller lever: R38 mm, pretravel 15±5°, Overtravel 90°, DPDB, Pg13.5 with ground terminal | 73.90 | 4548583478152 |
| 392932 | WLCA2-G-N | Limit switch, roller lever: R38 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal | 54.75 | 4548583485334 |
| 392912 | WLCA2-THG-N | Limit switch, roller lever: R38 mm, pretravel 15±5°, DPDB, Heat-resistant: +5°C to +120°C, Pg13.5 with ground terminal | 76.25 | 4548583478862 |
| 392936 | WLCA2-Y-N | Limit switch, adjustable roller lever: standard, DPDB, M20 with ground terminal | 48.98 | 4548583485402 |
| 411084 | WLCA32-41G-N | Limit switch, lock fork roller lever, DPDB, 10 A | 69.00 | 4548583543478 |
| 393479 | WLCA32-43G-N | Limit switch, fork lever lock, LED indicator, DPDB, 10 A, pre-wired connector | 69.35 | 4548583543515 |
| 674239 | WLCA4-G1LD-N | Limit switch, roller lever, DPDB, LED, G1/2 with ground terminal | 112.40 | 4548583478985 |
| 392938 | WLCL-G-N | Limit switch, adjustable rod lever: 25 to 140 mm, pretravel 15±5°, DPDB, Pg13.5 with ground terminal | 57.10 | 4548583485440 |
| 411087 | WLD18-TS-N | Limit switch, top plunger, DPDB, 10A, 1/2-14NPT with ground terminal | 49.35 | 4548583543577 |
| 41106 | WLD28-G-N | Limit switch, roller top plunger, DPDB, 10 A, Pg13.5 with ground terminal | 51.60 | 4548583543614 |
| 411091 | WL NJ-2G-N | Limit switch, flexible rod coil spring resin rod, DPDB, 10 A | 54.75 | 4548583543720 |
| 411092 | WL NJ-30G-N | Limit switch, coil spring - multi-wire, DPDB, 10A | 67.20 | 4548583543751 |
| 393483 | WL NJ-G-N | Limit switch, Flexible rod, pretravel 20±10 mm, DPDB, G1/2 with ground terminal | 40.66 | 4548583543805 |
| 406411 | WL NJ-S2G-N | Limit switch, Flexible rod: Steel wire pretravel 20±10 mm, DPDB, Pg13.5 with ground terminal | 47.56 | 4548583543836 |
| 411097 | WL SD2-G-N | Limit switch, Horizontal-roller plunger, Pg13.5 with ground terminal | 67.95 | 4548583543911 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 108305 | WL-1A100 | WL series limit switch replacement roller lever | 7.28 | 4536854171215 |
| 108307 | WL-2A100 | Replacement actuator for WL series limit switch: adjustable roller lever, standard roller | 9.28 | 4536854171246 |
| 108308 | WL-3A100 | Replacement actuator for WL series limit switch: adjustable rod lever | 21.86 | 4536854171253 |
| 108323 | WL-9H100 | WL series limit switch replacement head with coil spring lever | 15.47 | 4536854171765 |

Compact limit switch in metal housing



The 16 mm flat and compact size make the D4C range of limit switches very popular for all standard applications but especially where mounting space is limited or protruding housings may interfere with machine operation. The triple sealed construction, the rugged metal housing and the precisely manufactured movable parts ensure long operational life in standard or oily environments (special models).

- 16 mm flat compact size
- Rugged metal housing
- Models with M12 connector or oil resistant VCTF cable

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 134459 | D4C-1201 | Compact enclosed limit switch, pin plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 45.03 | 4536853210052 |
| 134460 | D4C-1202 | Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 44.78 | 4536853210069 |
| 134461 | D4C-1203 | Compact enclosed limit switch, cross roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 47.98 | 4536853210076 |
| 105810 | D4C-1220 | Compact enclosed limit switch, roller lever, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 57.75 | 4536853210113 |
| 147957 | D4C-1224 | Compact enclosed limit switch, roller lever (high sensitivity), 5 A 250 VAC, 4 A 30 VDC, 3 m VCTF oil-resistant cable | 59.50 | 4536853210151 |
| 134463 | D4C-1231 | Compact enclosed limit switch, sealed pin plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 55.25 | 4536853210182 |
| 134464 | D4C-1232 | Compact enclosed limit switch, sealed roller plunger, 5 A 250 VAC, 4 A 30 VDC, 3m VCTF oil-resistant cable | 57.75 | 4536853210199 |
| 134469 | D4C-1250 | Compact enclosed limit switch, plastic rod, 5 A 250 VAC, 4 A 30 VDC, 3 m VCTF oil-resistant cable | 57.10 | 4536853210243 |
| 134470 | D4C-1302 | Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 5 m VCTF oil-resistant cable | 60.60 | 4536853210274 |
| 134484 | D4C-1502 | Compact enclosed limit switch, roller plunger, 5 A 250 VAC, 4 A 30 VDC, 5 m VCTF cable | 55.05 | 4536853210588 |
| 105813 | D4C-3202 | Compact enclosed limit switch, roller plunger, 4 A 30 VDC, 3 m VCTF oil-resistant cable | 49.67 | 4536853212865 |
| 134379 | D4C-3224 | Compact enclosed limit switch, roller lever (high sensitivity), 4 A 30 VDC, 3m VCTF oil-resistant cable | 55.00 | 4536853212933 |
| 134317 | D4C-4232 | Compact enclosed limit switch, sealed roller plunger, 0.1 A 125 VAC, 0.1 A 30 VDC, 3 m VCTF oil-resistant cable | 57.75 | 4536853214043 |
| 144739 | D4C-4332 | Compact enclosed limit switch, sealed roller plunger, 0.1 A 125 VAC, 0.1 A 30 VDC, 5 m VCTF oil-resistant cable | 65.25 | 4536853214203 |
| 134260 | D4C-6403 | Compact enclosed limit switch | 59.10 | 4536853215682 |
| 150121 | D4CC-3002 | Compact limit switch, connector type, 1 A 30 VDC, roller plunger | 59.30 | 4536853208417 |
| 153483 | D4CC-3024 | Compact limit switch, connector type, 1 A 30 VDC, high sensitivity roller lever | 65.60 | 4536853208448 |
| 134522 | D4CC-3031 | Compact limit switch, connector type, 1 A 30 VDC, sealed pin plunger | 61.20 | 4536853208462 |
| 154611 | D4CC-3032 | Compact limit switch, connector type, 1 A 30 VDC, Sealed roller plunger | 68.10 | 4536853208479 |
| 134526 | D4CC-3050 | Compact limit switch, connector type, 1 A 125 VAC, plastic rod | 80.05 | 4536853208523 |
| 134529 | D4CC-4002 | Compact limit switch, connector type, 1 A 30 VDC, roller plunger | 67.40 | 4536853208561 |

Limit switch in compact metal housing with terminal block



The compact housing size and the terminal block with side facing cable exit allow the mounting where space is crucial and self-wiring connection is preferred. The rugged and tight housing construction provides high protection while the low-force actuators make the ZC limit switch ideal for switching smaller or lighter objects.

- Terminal block for self-wiring with side facing cable exit
- Low-force actuators for switching smaller or lighter objects
- Rugged metal housing with IP67 protection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 106416 | ZC-D55 | Enclosed basic switch, plunger, SPDT, 15A | 26.13 | 4536854251061 |
| 106345 | ZC-N2155 | Enclosed basic switch, sealed cross roller plunger, SPDT, 15 A | 39.61 | 4536854252730 |
| 151806 | ZC-N2255 | Enclosed basic switch, Sealed roller plunger, SPDT, 15A | 39.61 | 4536854252907 |
| 106332 | ZC-Q2155 | Enclosed basic switch, panel mount cross roller plunger, SPDT, 15A | 31.08 | 4536854251436 |
| 151804 | ZC-Q2255 | Enclosed basic switch, panel mount roller plunger, SPDT, 15A | 31.44 | 4536854252365 |
| 106425 | ZC-Q55 | Enclosed basic switch, panel mount plunger, SPDT, 15A | 30.27 | 4536854251276 |
| 106351 | ZC-W155 | Enclosed basic switch, hinge lever, SPDT, 15 A | 24.10 | 4536854253249 |
| 106353 | ZC-W2155 | Enclosed basic switch, hinge roller lever, SPDT, 15 A | 25.60 | 4536854253416 |
| 106352 | ZC-W255 | Enclosed basic switch, short hinge roller lever, SPDT, 15A | 25.60 | 4536854253409 |
| 106356 | ZC-W3155 | Enclosed basic switch, Standard sensitivity, IP67, Snap action, Self-reset mechanism, Single-Pole, Double-Throw type, SPDT, One-way action hinge roller lever, 15A | 26.54 | 4536854253690 |

Limit switch with basic plastic housing



The Z series of basic switches in plastic housing provide the same electrical and mechanical switching capability and lifetime as standard limit switches. But with the basic plastic housing the basic switches are an ideal solution with best value for money for uncritical environments or when separately encased in subassemblies.

- Cost efficient basic plastic housing for subassemblies
- Same electrical and mechanical switching ratings as standard limit switches

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 103031 | Z-15ESR | General purpose basic switch, slim sprung plunger, SPDT, 15A high capacity, solder terminals | 12.02 | 4536854262500 |
| 382405 | Z-15G | General purpose basic switch, pin plunger, SPDT, 15 A, solder terminals | 6.94 | 4548583364974 |
| 382399 | Z-15G-B | General purpose basic switch, pin plunger, SPDT, 15 A, screw terminals | 7.73 | 4548583364912 |
| 382406 | Z-15GD | General purpose basic switch, short spring plunger, SPDT, 15 A, solder terminals | 8.49 | 4548583364981 |
| 382407 | Z-15GD55-B | General purpose basic switch, short spring plunger, SPDT, 15 A, drip proof, screw terminals | 11.56 | 4548583364998 |
| 382398 | Z-15GD-B | General purpose basic switch, short spring plunger, SPDT, 15 A, screw terminals | 8.49 | 4548583364905 |
| 105033 | Z-15GK355-B | General purpose basic switch, plunger (high-operating point), SPDT, 15A, screw terminals | 14.28 | 4536854263316 |
| 145324 | Z-15GK55 | General purpose basic switch, plunger (mid-operating point), SPDT, 15A | 11.96 | 4536854263354 |
| 106760 | Z-15GK55-B | General purpose basic switch, plunger (mid-operating point), SPDT, 15A, screw terminals | 12.33 | 4536854263361 |
| 103032 | Z-15GK655-B | General purpose basic switch | 12.33 | 4536854265679 |
| 106644 | Z-15GL2-B | General purpose basic switch, roller leaf spring, SPDT, 15 A, screw terminals | 9.57 | 4536854266126 |
| 106641 | Z-15GL-B | General-purpose Basic Switch, 15 A, Leaf spring, screw terminal | 8.84 | 4536854266065 |
| 106609 | Z-15GM | General purpose basic switch, reverse hinge lever, SPDT, 15A, solder terminals | 8.49 | 4536854268359 |
| 106613 | Z-15GM2-B | General purpose basic switch, reverse hinge roller lever, SPDT, 15A | 8.50 | 4536854268427 |
| 106610 | Z-15GM-B | General purpose basic switch, reverse hinge roller lever, SPDT, 15A | 8.49 | 4536854268366 |
| 154125 | Z-15GNJ55-B | General purpose basic switch, flexible rod, SPDT, 15A, drip-proof | 17.39 | 4536854266003 |
| 382403 | Z-15GQ | General purpose basic switch, panel mount plunger (medium OP), SPDT, 15 A, solder terminals | 9.90 | 4548583364950 |
| 106621 | Z-15GQ21 | General purpose basic switch, panel mount cross roller plunger, SPDT, 15A | 13.52 | 4536854265174 |
| 156316 | Z-15GQ21-B | General purpose basic switch, panel mount cross roller plunger, SPDT, 15A | 13.52 | 4536854265419 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 382404 | Z-15GQ22 | General purpose basic switch, panel mount roller plunger, SPDT, 15 A, solder terminals | 13.12 | 4548583364967 |
| 145325 | Z-15GQ2255-B | General purpose basic switch, panel mount roller plunger, SPDT, 15 A, drip proof, screw terminals | 18.90 | 4536854265983 |
| 106686 | Z-15GQ22A55-B5V | General-purpose Basic Switch, 15 A, panel mount roller plunger, drip-proof, screw terminal with terminal cover | 25.43 | 4536854264016 |
| 382397 | Z-15GQ22-B | General purpose basic switch, panel mount roller plunger, SPDT, 15 A, screw terminals | 13.52 | 4548583364899 |
| 106626 | Z-15GQ3-B | Basic switch, low operating force, panel mount plunger, SPDT, 15A | 12.33 | 4536854265372 |
| 106635 | Z-15GQ55-B | General purpose basic switch, panel mount plunger, SPDT, 15A, drip-proof | 15.43 | 4536854265945 |
| 143082 | Z-15GQ8-B | General purpose basic switch, high operating force, panel mount plunger, SPDT, 15 A | 13.12 | 4536854265433 |
| 382396 | Z-15GQ-B | General purpose basic switch, panel mount plunger (medium OP), SPDT, 15A, screw terminals | 10.80 | 4548583364875 |
| 106533 | Z-15GQ-B7-K | General purpose basic switch, panel mount plunger (medium OP), SPDT, 15 A, screw terminals | 11.78 | 4536854269325 |
| 106694 | Z-15GS-B | General purpose basic switch, slim spring plunger, SPDT, 15A | 9.25 | 4536854264559 |
| 382401 | Z-15GW | General purpose basic switch, hinge lever (low OF), SPDT, 15A, solder terminals | 7.33 | 4548583364936 |
| 382402 | Z-15GW2 | General purpose basic switch, hinge roller lever, SPDT, 15A, solder terminals | 7.73 | 4548583364943 |
| 103033 | Z-15GW21-B | General purpose basic switch, short hinge lever, SPDT, 15 A | 6.94 | 4536854266553 |
| 382400 | Z-15GW22 | General purpose basic switch, short hinge roller lever, SPDT, 15 A, solder terminals | 7.73 | 4548583364929 |
| 144235 | Z-15GW2255 | General purpose basic switch, short hinge roller lever, SPDT, 15A, drip-proof | 10.80 | 4536854266805 |
| 382408 | Z-15GW2255-B | General purpose basic switch, short hinge roller lever, SPDT, 15 A, drip proof, screw terminals | 10.43 | 4548583365001 |
| 106575 | Z-15GW2277 | General purpose basic switch, unidirectional short hinge roller lever, SPDT, 15A | 10.04 | 4536854266904 |
| 377800 | Z-15GW2277-B | General purpose basic switch, Unidirectional short hinge roller lever (low OF), SPDT, 15A, screw terminals | 10.43 | 4548583364820 |
| 143081 | Z-15GW22A55-B5V | General purpose basic switch, short hinge roller lever, SPDT, 15 A, drip proof, screw terminals with terminal cover | 23.12 | 4536854263934 |
| 377795 | Z-15GW22-B | General purpose basic switch, short hinge roller lever, SPDT, 15A, screw terminals | 7.73 | 4548583364745 |
| 106571 | Z-15GW22S | General purpose basic switch, short hinge steel roller lever, SPDT, 15 A | 7.74 | 4536854266768 |
| 151808 | Z-15GW255-B | General purpose basic switch, hinge roller lever, SPDT, 15A, drip-proof, screw terminal | 11.56 | 4536854267147 |
| 106681 | Z-15GW2A55-B5V | General purpose basic switch, hinge roller lever, SPDT, 15 A, drip proof, screw terminals with terminal cover | 17.75 | 4536854263910 |
| 377796 | Z-15GW2-B | General purpose basic switch, hinge roller lever, SPDT, 15A, screw terminals | 7.73 | 4548583364752 |
| 106594 | Z-15GW4 | General purpose basic switch, low force hinge lever, SPDT, 15A | 7.33 | 4536854267482 |
| 149618 | Z-15GW4455-B | General purpose basic switch, long hinge lever, SPDT, 15 A, drip proof, screw terminals | 11.96 | 4536854267581 |
| 106595 | Z-15GW4-B | General purpose basic switch, low force hinge lever, SPDT, 15A | 7.33 | 4536854267499 |
| 106603 | Z-15GW55-B | General purpose basic switch, hinge lever, SPDT, 15A, drip-proof | 10.80 | 4536854267826 |
| 377797 | Z-15GW-B | General purpose basic switch, hinge lever (low OF), SPDT, 15A, screw terminals | 7.33 | 4548583364769 |
| 143086 | Z-15HNJS55-B | General purpose basic switch, flexible rod (steel), SPDT, high sensitive, drip proof, screw terminals | 20.18 | 4536854270505 |
| 155993 | Z-15HW24-B | General purpose basic switch, hinge lever, SPDT, high sensitive, screw terminal | 9.65 | 4536854270888 |
| 106482 | Z-15HW78 | General purpose basic switch, wire hinge lever, SPDT, 15A | 10.56 | 4536854271298 |
| 106483 | Z-15HW78-B | General purpose basic switch, wire hinge lever, SPDT, 15A, screw terminal | 10.43 | 4536854271304 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 137468 | AP-B | Screw Terminal Use (Phenol Resin) for Z15 switch | 0.46 | 4536853004736 |
| 186943 | APB-PG | Terminal cover for Z15 switch, plastic | 2.15 | 4536853899103 |
| 239600 | AP-DV | Z Switch Drip-proof Terminal Protective Cover | 4.27 | 4536853004903 |
| 148140 | AP-Z | Soldering or Screw Terminal Use (Vinyl Chloride) for Z15 switch | 2.95 | 4536853004880 |



Limit switches with mounting shape and pitch variations

Extending the standard and compact limit switches the D4E, D4MC, WL, ZE and ZV families provide mounting alternatives.

- The WL standard size provides a popular mounting shape and pitch in many countries
- The D4E and D4MC compact size provide alternative housing sizes and mounting pitches
- The ZE compact size provides diagonal mounting holes
- The ZV compact sizes provides base mounting holes

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 155720 | D4E-1A10N | Limit switch, slim sealed, connector type, general purpose, roller plunger | 40.71 | 4536853222949 |
| 134060 | D4E-1A20N | Limit switch, slim sealed, screw terminal, general purpose, roller plunger | 44.50 | 4536853222956 |
| 134063 | D4E-1B10N | Limit switch, slim sealed, connector type, general purpose, cross roller plunger | 40.71 | 4536853222987 |
| 134064 | D4E-1B20N | Limit switch, slim sealed, screw terminal, general purpose, cross roller plunger | 47.93 | 4536853222994 |
| 134067 | D4E-1C10N | Limit switch, slim sealed, connector type, general purpose, plunger | 45.67 | 4536853223021 |
| 155721 | D4E-1C20N | Limit switch, slim sealed, screw terminal, general purpose, plunger | 36.38 | 4536853223038 |
| 133989 | D4E-1D10N | Limit switch, slim sealed, connector type, general purpose, sealed roller plunger | 68.50 | 4536853223410 |
| 133990 | D4E-1D20N | Limit switch, slim sealed, screw terminal, general purpose, sealed roller plunger | 71.55 | 4536853223830 |
| 236316 | D4E-1E10N | Limit switch, slim sealed, connector type, general purpose, sealed cross roller plunger | 82.95 | 4536853224073 |
| 133993 | D4E-1E20N | Limit switch, slim sealed, screw terminal, general purpose, sealed cross roller plunger | 73.80 | 4536853224042 |
| 133974 | D4E-1G20N | Limit switch, slim sealed, screw terminal, general purpose, roller lever | 44.87 | 4536853223076 |
| 133978 | D4E-2A20N | Limit switch, slim sealed, screw terminal, general purpose, roller plunger | 50.25 | 4536853223151 |



Limit switches with alternative connection and wiring

Extending the standard and compact limit switches the D4E, SHL and WL families provide models with pre-wired connectors (pigtails), terminal blocks with alternative conduit sizes (PG13.5, G1/2, 1/2"14NPT), soldering contacts, screw on conduit covers and optional cable breakage protection.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 111615 | SHL-D55 | Subminiature enclosed switch, plunger actuator | 27.99 | 4536853780425 |
| 111705 | SHL-D55-01 | Subminiature enclosed switch, plunger actuator, 0.1A micro load | 34.51 | 4536853779016 |
| 147187 | SHL-Q2155 | Enclosed switch, panel mount across roller plunger, SPDT,10A | 31.27 | 4536853780821 |
| 111610 | SHL-Q2155-01 | Enclosed switch, panel mount across roller plunger, SPDT,10A micro voltage | 33.00 | 4536853779450 |
| 145031 | SHL-Q2255 | Enclosed switch, panel mount roller plunger, SPDT,10A | 32.08 | 4536853781002 |
| 111611 | SHL-Q2255-01 | Enclosed switch, panel mount roller plunger, SPDT,10A micro voltage | 32.68 | 4536853779627 |
| 106139 | SHL-Q55 | Subminiature enclosed switch, panel mount plunger | 28.54 | 4536853780623 |
| 111621 | SHL-W155 | Enclosed switch, hinge lever, SPDT, 10A | 28.94 | 4536853781637 |
| 153766 | SHL-W2155 | Enclosed switch, hinge roller lever, SPDT, 10A | 28.97 | 4536853781651 |
| 104735 | SHL-W255 | Enclosed switch, short hinge roller lever, SPDT, 10A | 27.58 | 4536853781408 |



Oil resistant limit switch with better reliability for applications with frequent switching in oily environment

Limit Switch with HNBR/Fluororubber for superior resistance to oil to prevent infiltration of moving sections.

- HNBR/Fluororubber parts prevent infiltration of oil from moving sections
- Fluorine resin cable withstands cutting oil
- Models available with SmartClick connectors
- Minute load model with gold cladding is optimal for electronic control
- Approved by EN (TÜV)
- IP67G is the degree of protection which is defined according to the Japanese Industrial Standards JIS C0920

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 674830 | D4ER-1A21N | Limit switch, slim sealed, screw terminal, general purpose, roller plunger, right-hand, pre-cabled, oil-resistant | 55.00 | 4548583868571 |

Limit switch with plastic housing



The D4N series of limit switches in plastic housing is the ideal switch for all standard mechanical position detection applications both for safety and non-safety applications.

- Direct opening mechanism and approval by notified body
- Rugged plastic housing with double insulation
- Wide range of actuators
- M12 connectors or terminal block with M20 conduit

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 170095 | D4N-1120 | Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 12.68 | 4547648033732 |
| 170101 | D4N-1122 | Limit switch, Roller lever (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 16.99 | 4547648033794 |
| 170140 | D4N-112G | Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 15.55 | 4547648034180 |
| 170146 | D4N-112H | Limit switch, Adjustable roller lever, form lock (metal lever, rubber roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 19.89 | 4547648034241 |
| 170114 | D4N-1131 | Limit switch, Top plunger, 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 10.12 | 4547648033923 |
| 170120 | D4N-1132 | Limit switch, Top roller plunger, 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 11.19 | 4547648033985 |
| 170126 | D4N-1162 | Limit switch, One-way roller arm lever (horizontal), 1NC/1NO (snap-action), 1NC/1NO (snap-action), Pg13.5 (1-conduit) | 11.25 | 4547648034043 |
| 170181 | D4N-1232 | Limit switch, Top roller plunger, 2NC (snap-action), 2NC (snap-action), Pg13.5 (1-conduit) | 11.58 | 4547648034593 |
| 170219 | D4N-1A20 | Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 15.55 | 4547648034975 |
| 170267 | D4N-1A2G | Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 15.91 | 4547648035453 |
| 170274 | D4N-1A2H | Limit switch, Adjustable roller lever, form lock (metal lever, rubber roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 19.14 | 4547648035521 |
| 170238 | D4N-1A31 | Limit switch, Top plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 11.19 | 4547648035163 |
| 170245 | D4N-1A32 | Limit switch, Top roller plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 11.19 | 4547648035231 |
| 170251 | D4N-1A62 | Limit switch, One-way roller arm lever (horizontal), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit) | 12.68 | 4547648035293 |
| 170281 | D4N-1B20 | Limit switch, Roller lever (resin lever, resin roller), 2NC (slow-action), 2NC (slow-action), Pg13.5 (1-conduit) | 14.82 | 4547648035590 |
| 170309 | D4N-1B32 | Limit switch, Top roller plunger, 2NC (slow-action), 2NC (slow-action), Pg13.5 (1-conduit) | 11.19 | 4547648035880 |
| 170081 | D4N-2120 | Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), G1/2 (1-conduit) | 13.71 | 4547648030328 |
| 170593 | D4N-2187 | Limit switch, Plastic rod, 1NC/1NO (snap-action), 1NC/1NO (snap-action), G1/2 (1-conduit) | 19.81 | 4547648038683 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 168848 | D4N-4120 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), roller lever (resin lever, resin roller) | 11.93 | 4547648030335 |
| 170104 | D4N-4122 | Limit switch, Roller lever (metal lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (1-conduit) | 15.91 | 4547648033824 |
| 170112 | D4N-4125 | Limit switch, Roller lever (metal lever, metal roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (1-conduit) | 18.79 | 4547648033909 |
| 170142 | D4N-412G | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, resin roller) | 14.45 | 4547648034203 |
| 170148 | D4N-412H | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, rubber roller) | 20.59 | 4547648034265 |
| 170083 | D4N-4131 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), top plunger | 9.65 | 4547648030359 |
| 170085 | D4N-4132 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), top roller plunger | 10.46 | 4547648030373 |
| 170087 | D4N-4162 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), one-way roller arm lever (horizontal) | 11.24 | 4547648030397 |
| 170135 | D4N-4172 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (snap-action), one-way roller arm lever (vertical) | 14.45 | 4547648034135 |
| 170590 | D4N-4180 | Limit switch, cat whisker, 1 conduit, M20 | 25.28 | 4547648038652 |
| 170595 | D4N-4187 | Limit switch, plastic rod, 1 conduit, M20 | 19.69 | 4547648038706 |
| 170155 | D4N-4220 | Limit switch, Roller lever (resin lever, resin roller), 2NC (snap-action), 2NC (snap-action), M20 (1-conduit) | 13.01 | 4547648034333 |
| 170184 | D4N-4232 | Limit switch, Top roller plunger, 2NC (snap-action), 2NC (snap-action), M20 (1-conduit) | 12.83 | 4547648034623 |
| 170192 | D4N-4262 | Limit switch, One-way roller arm lever (horizontal), 2NC (snap-action), 2NC (snap-action), M20 (1-conduit) | 11.58 | 4547648034708 |
| 170605 | D4N-4287 | Limit switch, Plastic rod, 2NC (snap-action), 2NC (snap-action), M20 (1-conduit) | 19.98 | 4547648038805 |
| 170089 | D4N-4A20 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), roller lever (resin lever, resin roller) | 14.08 | 4547648030410 |
| 170270 | D4N-4A2G | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), adjustable roller lever (metal lever, resin roller) | 14.82 | 4547648035484 |
| 170277 | D4N-4A2H | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), adjustable roller lever (metal lever, rubber roller) | 19.53 | 4547648035552 |
| 170240 | D4N-4A31 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top plunger | 10.12 | 4547648035187 |
| 170092 | D4N-4A32 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top roller plunger | 10.55 | 4547648030441 |
| 170254 | D4N-4A62 | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), one-way roller arm lever (horizontal) | 11.93 | 4547648035323 |
| 170630 | D4N-4ARE | Limit switch, Fork lever lock (right operation), 1NC/1NO (slow-action), 1NC/1NO (slow-action), M20 (1-conduit) | 42.53 | 4547648044745 |
| 170336 | D4N-4B2G | Safety Limit switch, D4N, M20 (1 conduit), 2NC (slow-action), adjustable roller lever (metal lever, resin roller) | 15.29 | 4547648036153 |
| 170312 | D4N-4B32 | Safety Limit switch, D4N, M20 (1 conduit), 2NC (slow-action), top roller plunger | 10.42 | 4547648035910 |
| 170375 | D4N-4C32 | Safety Limit switch, D4N, M20 (1 conduit), 2NC/1NO (slow-action), top roller plunger | 14.08 | 4547648036535 |
| 170100 | D4N-8120 | Limit switch, Roller lever (resin lever, resin roller), 1NC/1NO (snap-action), 1NC/1NO (snap-action), M20 (2-conduit) | 19.89 | 4547648033787 |
| 170119 | D4N-8131 | Limit switch, plunger, 2 conduit, M20 | 15.59 | 4547648033978 |
| 170131 | D4N-8162 | Limit switch, one way roller arm lever (horiz), 2 conduit, M20 | 19.89 | 4547648034098 |
| 170250 | D4N-8A32 | Limit switch, Top roller plunger, 1NC/1NO (slow-action), 1NC/1NO (slow-action), M20 (2-conduit) | 16.56 | 4547648035286 |
| 170097 | D4N-9120 | Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), roller lever (resin lever, resin roller) | 34.99 | 4547648033756 |
| 170143 | D4N-912G | Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), adjustable roller lever (metal lever, resin roller) | 37.53 | 4547648034210 |
| 170122 | D4N-9132 | Safety Limit switch, D4N, M12 connector (1 conduit), 1NC/1NO (snap-action), top roller plunger | 30.71 | 4547648034005 |
| 170305 | D4N-9B31 | Safety Limit switch, D4N, M12 connector (1 conduit), 2NC/1NO (slow-action), top plunger | 28.73 | 4547648035842 |



Detects objects in multiple directions with high sensitivity

DSB's detection of objects in multiple directions with high sensitivity makes it an ideal switch for usage in robotics. It operates even with a slight force and a slow-action mechanism is used. Its movement differential is as small as 0.01mm, assuring high accuracy of detection.

- High-sensitivity mechanical touch switch
- Detects objects in multiple directions and operates with slight force
- Movement differential of 0.01mm assures high accuracy of detection
- Gold-plated contacts capable of switching micro current/voltage load
- Highly resistant to dust, fine particles, water or oil splashes (IP67)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 133715 | D5B-1013 | Tactile Limit switch, M10 body, hemispheric actuator, 3 m prewired | 60.00 | 4536853227692 |
| 133717 | D5B-1023 | Tactile Limit switch, M10 body, conical actuator, 3 m prewired | 69.80 | 4536853227722 |
| 133719 | D5B-1511 | Tactile Limit switch, M10 body, short spring wobble stick actuator, 1 m prewired | 59.30 | 4536853227746 |
| 133720 | D5B-1513 | Tactile Limit switch, M10 body, short spring wobble stick actuator, 3 m prewired | 59.70 | 4536853227753 |
| 133721 | D5B-1515 | Tactile Limit switch, M10 body, short spring wobble stick actuator, 5 m prewired | 64.75 | 4536853227760 |
| 151368 | D5B-1533 | Tactile Limit switch, M10 body, long spring wobble stick actuator, 3 m prewired | 60.00 | 4536853227784 |
| 133724 | D5B-5011 | Tactile Limit switch, M5 body, hemispheric actuator, 1 m prewired | 55.00 | 4536853227807 |
| 133725 | D5B-5013 | Tactile Limit switch, M5 body, hemispheric actuator, 3 m prewired | 59.30 | 4536853227814 |
| 133641 | D5B-8513 | Tactile Limit switch, M8 body, short spring wobble stick actuator, 3 m prewired | 70.15 | 4536853227982 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 142473 | D4A-1101N | Limit switch, double-pole, double-break, without indicator, standard roller lever | 111.60 | 4536853200633 |
| 134828 | D4A-2918N | Limit switch, four-pole, double-break, centre neutral, without indicator, roller lever | 171.30 | 4536853201753 |
| 134835 | D4A-4501N | Limit switch, four-pole, double-break, without indicator, top lever, standard | 180.90 | 4536853202279 |
| 147956 | D4A-4918N | Limit switch, four-pole, double-break, centre neutral, without indicator, roller lever | 202.70 | 4536853202460 |
| 134865 | D4A-A00 | Replacement lever, roller lever type | 22.09 | 4536853198121 |
| 103625 | D4A-C00 | Replacement lever, adjustable roller lever type | 25.31 | 4536853198268 |
| 133872 | D4MC-1000 | Enclosed switch, hinge lever, SPDT, 10 A | 14.72 | 4536853225490 |
| 150872 | D4MC-2000 | Enclosed switch, hinge roller lever, SPDT, 10 A | 15.16 | 4536853226510 |
| 133874 | D4MC-2020 | Enclosed switch, short hinge roller lever, SPDT, 10 A | 14.36 | 4536853225650 |
| 104167 | D4MC-3030 | Enclosed switch, 1-way, short hinge roller lever, SPDT, 10 A | 16.96 | 4536853225933 |
| 156466 | D4MC-5000 | Enclosed switch, panel mount plunger, SPDT, 10 A | 18.78 | 4536853225995 |
| 133783 | D4MC-5020 | Enclosed switch, panel mount roller plunger, SPDT, 10 A | 20.76 | 4536853226114 |
| 133785 | D4MC-5040 | Enclosed switch, panel mount cross roller plunger, SPDT, 10 A | 20.96 | 4536853226244 |
| 668126 | D4V-8108Z | Limit switch D4V, adjustable roller lever: R30 to 75 mm, DPDB, with ground terminal | 50.55 | 4547648271691 |
| 105958 | D5A-1100 | Limit switch | 113.10 | 4536853227272 |
| 133699 | D5A-3200 | Limit switch | 132.40 | 4536853227364 |
| 133713 | D5A-9515 | Limit switch, High-precision Switch for Detecting Micron-unit Displacement, Bevel plunger, IP67, pre-wired connector 5 m | 199.80 | 4536853227661 |
| 133644 | D5C-1DA0 | Touch switch, free-attachment, M4 screw actuator, DC, 3-wire, NPN-NO, 3 m cable | 137.10 | 4536853228033 |
| 133557 | DZ-10G-1B | Basic switch, pin plunger, 10 A, DPDT, screw terminals | 16.58 | 4536853181819 |
| 133564 | DZ-10GW-1B | Basic switch, hinge lever, 10 A, DPDT, screw terminals | 19.81 | 4536853181994 |
| 133567 | DZ-10GW2-1B | Basic switch, hinge roller lever, 10 A, DPDT, screw terminals | 21.17 | 4536853182021 |
| 133569 | DZ-10GW22-1B | Basic switch, short hinge roller lever, 10 A, DPDT, screw terminals | 19.81 | 4536853182052 |
| 378665 | HL-5000G | Limit switch, Roller lever, With ground terminal | 38.48 | 4548583439153 |
| 378666 | HL-5030G | Limit switch, Adjustable roller lever, With ground terminal | 39.61 | 4548583439177 |
| 378667 | HL-5050G | Limit switch, Adjustable rod lever, With ground terminal | 39.36 | 4548583439191 |
| 378668 | HL-5100G | Limit switch, Sealed plunger, With ground terminal | 43.62 | 4548583439214 |
| 378654 | HL-5200G | Limit switch, Sealed roller plunger, With ground terminal | 45.88 | 4548583439238 |
| 378655 | HL-5300G | Limit switch, Coil spring, With ground terminal | 45.85 | 4548583439252 |
| 156285 | TZ-1GV | High temperature basic switch, hinge lever, 1 A | 185.60 | 4536854126833 |
| 109866 | TZ-1GV22 | High temperature basic switch, short hinge roller lever, 1 A | 201.20 | 4536854126857 |
| 108112 | X-10GM-B | Basic switch, general purpose, reverse hinge lever, 10A, screw terminals | 16.59 | 4536854245558 |
| 106372 | ZE-N21-2G | Enclosed switch, sealed cross roller plunger, SPDT, 15 A | 69.70 | 4536854255120 |
| 104736 | ZE-N22-2G | Enclosed switch, sealed roller plunger, SPDT, 15A | 69.35 | 4536854255151 |
| 106370 | ZE-N-2G | Enclosed switch, plunger, SPDT, 15A | 37.47 | 4536854255038 |
| 151525 | ZE-NA2-2G | Enclosed switch, roller arm lever, SPDT, 15A | 46.98 | 4536854255229 |
| 149257 | ZE-Q21-2G | Enclosed switch, cross roller plunger, SPDT, 15A | 40.77 | 4536854254840 |
| 150415 | ZE-Q22-2G | Enclosed switch, roller plunger, SPDT, 15A | 40.40 | 4536854255496 |
| 106359 | ZE-Q-2G | Enclosed switch, plunger, SPDT, 15A | 36.82 | 4536854254789 |
| 152689 | ZE-QA2-2G | Enclosed switch, roller arm lever, SPDT, 15 A | 41.11 | 4536854254932 |
| 154929 | ZV2-N-2G | Enclosed switch, diagonal side mounting, sealed plunger, SPDT, 15 A | 44.34 | 4536854260773 |



Miniature size rotary encoder

The E6A family of rotary encoders features a small sized dia 25mm housing.

- Small sized dia 25mm housing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------------|--|-----------|---------------|
| 147610 | E6A2-CS5C 360P/R 2M | Encoder, incremental, 360ppr, 12-24 VDC, NPN open collector, 2 m cable | 170.60 | 4536853366728 |
| 128484 | E6A2-CW5C 100P/R 0.5M | Encoder, incremental, 100ppr, 12-24 VDC, NPN open collector, 0.5m cable | 159.10 | 4536853366490 |
| 128501 | E6A2-CW5C 100P/R 2M | Encoder, incremental, 100ppr, 12-24 VDC, NPN open collector, 2m cable | 171.90 | 4536853366810 |
| 128485 | E6A2-CW5C 200P/R 0.5M | Encoder, incremental, 200ppr, 12-24 VDC, 2-phase, NPN open collector, 0.5m cable | 159.10 | 4536853366506 |
| 128502 | E6A2-CW5C 200P/R 2M | Encoder, incremental, 200ppr, 12-24 VDC, 2-phase, NPN open collector, 2m cable | 171.70 | 4536853366827 |
| 128414 | E6A2-CWZ5C 200P/R 0.5M | Encoder, incremental, 200 ppr, 12 to 24 VDC, NPN open collector, 0.5 m cable | 164.20 | 4536854494055 |

Compact size rotary encoder

The E6B family of incremental rotary encoders features a housing size dia 40mm.

- Line driver output models available



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|---|-----------|---------------|
| 236008 | E6B2-CWZ1X 1000P/R 0.5M | Encoder, incremental, 1000 ppr, 5 VDC, Line driver 0.5 m cable | 209.00 | 4547648295543 |
| 235972 | E6B2-CWZ1X 1000P/R 2M | Encoder, incremental, 1000ppr, 5 VDC, Line driver 2m cable | 224.80 | 4547648295642 |
| 235966 | E6B2-CWZ1X 1024P/R 0.5M | Encoder, incremental, 1024ppr, 5 VDC, Line driver 0.5m cable | 263.00 | 4547648296311 |
| 236009 | E6B2-CWZ1X 2000P/R 0.5M | Encoder, incremental, 2000ppr, 5 VDC, Line driver 0.5m cable | 230.60 | 4547648295581 |
| 235935 | E6B2-CWZ1X 500P/R 0.5M | Encoder, incremental, 500ppr, 5 VDC, Line driver 0.5m cable | 195.40 | 4547648295529 |
| 235986 | E6B2-CWZ5B 1000P/R 0.5M | Encoder, incremental, 1000ppr, 12-24 VDC, PNP output, 0.5m cable | 212.80 | 4547648296212 |
| 235982 | E6B2-CWZ5B 100P/R 0.5M | Encoder, incremental, 100ppr, 12-24 VDC, PNP output, 0.5m cable | 220.60 | 4547648296168 |
| 235987 | E6B2-CWZ5B 2000P/R 0.5M | Encoder, incremental, 2000ppr, 12-24 VDC, PNP output, 0.5m cable | 234.50 | 4547648296229 |
| 235984 | E6B2-CWZ5B 360P/R 0.5M | Encoder, incremental, 360ppr, 12-24 VDC, PNP output, 0.5m cable | 263.30 | 4547648296182 |
| 361819 | E6B2-CWZ5B 360P/R 2M | Encoder, incremental, 360 ppr, 12 to 24 VDC, PNP output, 0.5 m cable | 210.90 | 4547648462907 |
| 235985 | E6B2-CWZ5B 500P/R 0.5M | Encoder, incremental, 500ppr, 12-24 VDC, PNP output, 0.5m cable | 235.20 | 4547648296199 |
| 236001 | E6B2-CWZ6C 1000P/R 0.5M | Encoder, incremental, 1000 ppr, 5 to 24 VDC, 3-phase, NPN output, 0.5 m cable | 210.90 | 4547648295185 |
| 236012 | E6B2-CWZ6C 1000P/R 2M | Encoder, incremental, 1000ppr, 5-24 VDC, 3-phase, NPN output | 220.90 | 4547648295611 |
| 236010 | E6B2-CWZ6C 100P/R 2M | Encoder, incremental, 100ppr, 5-24 VDC, 3-phase, NPN output | 223.80 | 4547648295598 |
| 236005 | E6B2-CWZ6C 2000P/R 0.5M | Encoder, incremental, 2000ppr, 5-24 VDC, NPN output, 0.5m cable | 274.90 | 4547648295222 |
| 235979 | E6B2-CWZ6C 2000P/R 2M | Encoder, incremental, 2000ppr, 5-24VDC, 3-phase, NPN output, 2m cable | 242.30 | 4547648295949 |
| 236015 | E6B2-CWZ6C 200P/R 2M | Encoder, incremental, 200ppr, 5-24 VDC, 3-phase, NPN output | 191.40 | 4547648295703 |
| 235997 | E6B2-CWZ6C 360P/R 0.5M | Encoder, incremental, 360 ppr, 5 to 24 VDC, NPN output, 0.5 m cable | 210.90 | 4547648295147 |
| 236014 | E6B2-CWZ6C 360P/R 2M | Encoder, incremental, 360ppr, 5-24 VDC, 3-phase, NPN output | 220.90 | 4547648295697 |
| 236011 | E6B2-CWZ6C 500P/R 2M | Encoder, incremental, 500ppr, 5-24 VDC, 3-phase, NPN output | 207.00 | 4547648295604 |
| 236013 | E6B2-CWZ6C 600P/R 2M | Encoder, incremental, 600ppr, 5-24VDC, 3-phase, NPN output | 214.90 | 4547648295659 |

Improved water resistant rotary encoder

The E6C family of dia 50mm incremental rotary encoders features an improved water resistance compared to standard models.

- IP64f or IP65f drip-proof, oil-proof construction

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------------|--|-----------|---------------|
| 257299 | E6C2-CWZ1X 1000P/R 2M | Encoder, incremental, 1000ppr, 5 VDC, Line driver output, 2m cable | 298.90 | 4547648528559 |
| 257319 | E6C2-CWZ1X 1000P/R 5M | Encoder, incremental, 1000 ppr, 5 VDC, Line driver output, 5 m cable | 336.90 | 4547648528856 |
| 257303 | E6C2-CWZ1X 2000P/R 2M | Encoder, incremental, 2000ppr, 5 VDC, Line driver output, 2m cable | 318.70 | 4547648528597 |
| 257297 | E6C2-CWZ1X 360P/R 2M | Encoder, incremental, 360 ppr, 5 VDC, Line driver output, 2 m cable | 238.30 | 4547648528535 |
| 257309 | E6C2-CWZ5B 1000P/R 2M | Encoder, incremental, 1000ppr, 12-24 VDC, PNP output, 2m cable | 252.60 | 4547648528658 |
| 257304 | E6C2-CWZ5B 100P/R 2M | Encoder, incremental, 100ppr, 12-24 VDC, PNP output, 2m cable | 224.10 | 4547648528603 |
| 257310 | E6C2-CWZ5B 2000P/R 2M | Encoder, incremental, 2000ppr, 12-24 VDC, PNP output, 2m cable | 270.50 | 4547648528665 |
| 257305 | E6C2-CWZ5B 200P/R 2M | Encoder, incremental, 200ppr, 12-24 VDC, PNP output, 2m cable | 224.10 | 4547648528610 |
| 257306 | E6C2-CWZ5B 360P/R 2M | Encoder, incremental, 360ppr, 12-24 VDC, PNP output, 2m cable | 236.30 | 4547648528627 |
| 257307 | E6C2-CWZ5B 500P/R 2M | Encoder, incremental, 500ppr, 12-24 VDC, PNP output, 2m cable | 238.30 | 4547648528634 |
| 257263 | E6C2-CWZ6C 1000P/R 2M | Encoder, incremental, 1000ppr, 5-24 VDC, NPN output, 2m cable | 294.00 | 4547648528191 |
| 257256 | E6C2-CWZ6C 100P/R 2M | Encoder, incremental, 100ppr, 5-24 VDC, NPN output, 2m cable | 222.00 | 4547648528122 |
| 257267 | E6C2-CWZ6C 2000P/R 2M | Encoder, incremental, 2000ppr, 5-24 VDC, NPN output, 2m cable | 314.30 | 4547648528238 |
| 257257 | E6C2-CWZ6C 200P/R 2M | Encoder, incremental, 200ppr, 5-24 VDC, NPN output, 2m cable | 222.00 | 4547648528139 |
| 257259 | E6C2-CWZ6C 360P/R 2M | Encoder, incremental, 360ppr, 5-24 VDC, NPN output, 2m cable | 234.60 | 4547648528153 |
| 257261 | E6C2-CWZ6C 500P/R 2M | Encoder, incremental, 500ppr, 5-24 VDC, NPN output, 2m cable | 236.30 | 4547648528177 |
| 257255 | E6C2-CWZ6C 60P/R 2M | Encoder, incremental, 60ppr, 5-24 VDC, NPN output, 2m cable | 260.30 | 4547648528115 |
| 149118 | E6C3-CWZ3XH 3600P/R 2M | Encoder incremental 8 dia rugged housing, line driver output, 3600 ppr, 2m cable | 433.50 | 4536854871825 |
| 143733 | E6C3-CWZ5GH 1000P/R 2M | Encoder incremental 8 dia rugged housing, 1000ppr, 12-24 VDC, Complimentary output, 2m cable | 400.50 | 4536854871399 |
| 151300 | E6C3-CWZ5GH 100P/R 2M | Encoder incremental 8 dia rugged housing, 100ppr, 12-24 VDC, Complimentary output, 2m cable | 360.80 | 4536854871313 |
| 128259 | E6C3-CWZ5GH 2500P/R 2M | Rotary Encoder | 400.50 | 4536854871467 |
| 128260 | E6C3-CWZ5GH 3600P/R 2M | Encoder incremental 8 dia rugged housing, complimentary output, 3600 ppr, 2m cable | 433.50 | 4536854871474 |
| 143732 | E6C3-CWZ5GH 360P/R 2M | Encoder incremental 8 dia rugged housing, complimentary output 360 ppr, 2m cable | 360.80 | 4536854871344 |
| 146939 | E6C3-CWZ5GH 500P/R 2M | Encoder incremental 8 dia rugged housing, complimentary output, 500 ppr, 2m cable | 400.50 | 4536854871351 |

Rugged housing rotary encoder

The E6F family of dia 60mm rotary encoders features a rugged housing.

- Strong shaft for max 120 N in radial direction and max 50 N in thrust direction
- Water- and oil-proof structure (IP65f)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 128114 | E6F-CWZ5G 1000P/R 2M | Encoder, incremental, 1000 ppr, 12 to 24 VDC complimentary output, 2 m cable | 537.50 | 4536854740435 |

Improved water resistant rotary encoder



The E6C family of dia 50mm incremental rotary encoders features an improved water resistance compared to standard models.

- IP65f drip-proof, oil-proof construction
- 8mm shaft Diameter

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 128235 | E6C3-AG5B 1024P/R 2M | Encoder, absolute, 1024ppr, 9-bit, 12-24 VDC, gray code output, 2m cable | 527.00 | 4536854871221 |
| 156885 | E6C3-AG5B 360P/R 2M | Encoder, absolute, 360ppr, 9-bit, 12-24 VDC, PNP open collector, gray code output, 2m cable | 527.00 | 4536854871207 |
| 128234 | E6C3-AG5B 720P/R 2M | Encoder, absolute, 720ppr, 9-bit, 12-24 VDC, PNP open collector, gray code output, 2m cable | 527.00 | 4536854871214 |
| 128225 | E6C3-AG5C 360P/R 2M | Encoder, absolute, 360 ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2 m cable | 513.00 | 4536854870965 |
| 145873 | E6C3-AG5C-C 256P/R 2M | Encoder, absolute, 256ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable | 527.00 | 4536854871061 |
| 103666 | E6C3-AG5C-C 360P/R 2M | Encoder, absolute, 360ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable | 527.00 | 4536854871078 |
| 168881 | E6C3-AG5C-C 720P/R 2M | Encoder, absolute, 720ppr, 9-bit, 12-24 VDC, NPN open collector, gray code output, 2m cable | 527.00 | 4547648048125 |

Rugged housing rotary encoder



The E6F family of dia 60mm rotary encoders features a rugged housing.

- Stronger shaft and higher durability (120 N in radial direction and 50 N in thrust direction) than previous E6F Encoders
- Drip-proof construction meets IP64F standards
- High-resolution models (1024 pulses max. per revolution)
- Faster response for high-speed control applications (grey code: 20 kHz)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 154208 | E6F-AB3C-C 360 2M | Encoder, absolute, 360ppr, 10-bit, 5-12 VDC, BCD output, 2m cable, H8PR connector | 671.00 | 4536853371975 |
| 128108 | E6F-AG5B 360 2M | Encoder, absolute, 360ppr, 8-bit, 12-24 VDC, gray code output, 2m cable | 589.50 | 4536854687877 |
| 145524 | E6F-AG5C-C 256 2M | Encoder, absolute, 256ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector | 589.00 | 4536853372033 |
| 168882 | E6F-AG5C-C 360 2M | Encoder, absolute, 360ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector | 602.00 | 4547648048132 |
| 168883 | E6F-AG5C-C 720 2M | Encoder, absolute, 720ppr, 8-bit, 12-24 VDC, gray code output, 2m cable, H8PS connector | 629.00 | 4547648048149 |

Additional rotary encoders

Rotary encoders

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 128545 | E69-C04B | Accessory encoder, shaft coupling dia. 4mm | 16.62 | 4536853373498 |
| 128543 | E69-C06B | Accessory encoder, shaft coupling for E6B2/E6C2-C/E6CP/E6D encoder | 17.00 | 4536853373467 |
| 144309 | E69-C06M | Accessory encoder, shaft coupling dia. 6mm, metal | 74.25 | 4536853373634 |
| 150821 | E69-C08B | Accessory encoder, shaft coupling for E6C3-A encoder | 23.80 | 4536853373689 |
| 156411 | E69-C10B | Accessory encoder, shaft coupling for E6F encoder | 26.77 | 4536853373504 |
| 224046 | E69-C10M | Accessory encoder, shaft coupling dia. 10 mm, metal | 100.10 | 4536853373641 |
| 128458 | E69-C610B | Shaft coupling for E6F-C encoder, Different end diameter | 32.25 | 4536853373610 |
| 105487 | E69-C68B | Accessory encoder, shaft coupling dia. 6mm and 8mm | 28.50 | 4536853373603 |
| 357358 | E69-DF10 | Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 10 m | 201.50 | 4548583064980 |
| 357361 | E69-DF20 | Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 20 m | 306.30 | 4536853373573 |
| 357364 | E69-DF5 | Extension cable for E6C2-A/E6C3-A/E6CP/E6F encoders, 5m | 143.90 | 4536853373542 |
| 143272 | E69-FCA | Flange for E6C2-C encoder | 9.95 | 4536853373481 |

Additional sensors

Additional sensors

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 131841 | E2K-C25ME1 | Proximity sensor, capacitive, 34 mm dia, unshielded, 25 mm, DC, 3-wire, NPN-NO, 2 m cable | 154.30 | 4536853263683 |
| 104692 | E2K-C25ME2 | Proximity sensor, capacitive, 34 mm dia, unshielded, 25 mm, DC, 3-wire, NPN-NC, 2 m cable | 157.40 | 4536853263706 |
| 147129 | E2K-C25MF1 | Proximity sensor, capacitive, 34mm dia, unshielded, 25mm, DC, 3-wire, PNP-NO, 2m cable | 154.30 | 4536853263690 |
| 131842 | E2K-C25MF2 | Proximity sensor, capacitive, 34mm dia, unshielded, 25mm, DC, 3-wire, PNP-NC, 2m cable | 154.30 | 4536853263713 |
| 106106 | E2K-F10MC1 | Proximity sensor, capacitive, flat, unshielded, 10mm, DC, 3-wire, NPN-NO, 2m cable | 75.30 | 4536853264048 |
| 171939 | E2K-F10MC1-A 2M | Proximity sensor, capacitive, flat, unshielded, 10 mm, DC, 3-wire, NPN-NO, 2 m cable | 100.90 | 4547648085656 |
| 131854 | E2K-F10MC2 | Proximity sensor, capacitive, flat, unshielded, 10mm, DC, 3-wire, NPN-NC, 2m cable | 75.30 | 4536853264079 |
| 131855 | E2K-L13MC1 2M | Capacitive, Liquid level sensing, 8 to 11mm tube, NPN, 2m cable | 186.10 | 4536854711954 |
| 153644 | E2K-L26MC1 2M | Capacitive, Liquid level sensing, 12 to 26mm tube, NPN | 128.30 | 4536854711947 |
| 131777 | E2K-X15ME1 | Proximity sensor, capacitive, M30, unshielded, 15 mm, DC, 3-wire, NPN-NO, 2 m cable | 121.70 | 4536853264352 |
| 131788 | E2K-X15MF1 | Proximity sensor, capacitive, M30, unshielded, 15mm, DC, 3-wire, PNP-NO, 2m cable | 121.70 | 4536853264635 |
| 131774 | E2K-X4ME1 | Proximity sensor, capacitive, M12, unshielded, 4mm, DC, 3-wire, NPN-NO, 2m cable | 103.60 | 4536853264253 |
| 131783 | E2K-X4MF1 | Proximity sensor, capacitive, M12, unshielded, 4mm, DC, 3-wire, PNP-NO, 2m cable | 103.60 | 4536853264550 |
| 131775 | E2K-X8ME1 | Proximity sensor, capacitive, M18, unshielded, 8mm, DC, 3-wire, NPN-NO, 2m cable | 117.40 | 4536853264307 |
| 151474 | E2K-X8MF1 | Proximity sensor, capacitive, M18, unshielded, 8mm, DC, 3-wire, PNP-NO, 2m cable | 117.40 | 4536853264598 |
| 157072 | E2K-X8MF2 | Proximity sensor | 117.40 | 4536853264611 |
| 224790 | E4C-DS30 | Ultrasonic sensor, M18, 50 to 300 mm, diffuse | 729.00 | 4547648213264 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 127294 | F39-L12 | Protective Bracket, One each for emitter & receiver, (mounting screws included) | 35.43 | 4536854487347 |

V430-F Industrial Ethernet Barcode Reader



The V430-F redefines the imager market as the smallest IP65/67-rated, true-industrial Ethernet barcode reader. With best-in-class decoding for 1D/2D or DPM codes in a rugged, ultra-compact case, the ID-40 is the complete package for solving any barcode reading challenge under any condition. Combining unprecedented ease-of-use, exceptional decode performance, optional liquid lens autofocus, and ultra-small form factor, the ID-40 sets the benchmark as the ultimate compact imager in the industry.

- Ultra-compact (44.5 mm x 44.5 mm x 25.4 mm)
- IP65/67
- High-speed Ethernet, Serial RS-232
- X-Mode advanced decoding algorithms
- Optional liquid lens autofocus
- EtherNet/IP, Ethernet TCP/IP
- Passive Power over Ethernet (PoE)
- Integrated targeting and read/pass indicators
- WebLink browser-based setup interface

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 683080 | V430-F000M12M | V430 ID reader, 1.2 Mpix, middle view, Autofocus | 3,057.00 | 4549734191777 |
| 683075 | V430-F000W12M | V430 ID reader, 1.2 Mpix, wide view, Autofocus | 3,057.00 | 4549734191760 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 683098 | V430-AF2 | V/F 4x0-F Standard Polarizer Installation Kit | 166.10 | 4549734191968 |
| 683099 | V430-AF3 | V/F 4x0-F Standard Right Angle Mirror Installation Kit | 157.70 | 4549734191975 |
| 683100 | V430-AM0 | V/F 4x0-F L Bracket Adjustable Angle Mounting Kit | 59.40 | 4549734191982 |
| 683101 | V430-AM1 | V/F 4x0-F 1/4-20 Camera Mounting Block Kit | 33.93 | 4549734191999 |
| 683088 | V430-W8-3M | V/F 430-F M12 to Flying Leads Cable, 3 m | 126.00 | 4549734191869 |
| 683090 | V430-W8-5M | V/F 430-F M12 to Flying Leads Cable, 5 m | 157.70 | 4549734191883 |
| 683087 | V430-WE-3M | V/F 430-F Ethernet cable M12 plug on camera to RJ45 connector, 3 m | 126.00 | 4549734191852 |
| 683091 | V430-WE-5M | V/F 430-F Ethernet cable M12 plug on camera to RJ45 connector, 5 m | 157.70 | 4549734191890 |



MicroHAWK ID-40 & ID-45 Industrial Ethernet Barcode Readers

The MicroHAWK ID-40 redefines the imager market as the smallest IP65/67-rated, true-industrial Ethernet barcode reader. With best-in-class decoding for 1D/2D or DPM codes in a rugged, ultra-compact case, the ID-40 is the complete package for solving any barcode reading challenge under any condition. Combining unprecedented ease-of-use, exceptional decode performance, optional liquid lens autofocus, and ultra-small form factor, the ID-40 sets the benchmark as the ultimate compact imager in the industry.

- Ultra-compact (44.5 mm x 44.5 mm x 25.4 mm)
- IP65/67
- High-speed Ethernet, Serial RS-232f
- X-Mode advanced decoding algorithms
- Optional liquid lens autofocus
- EtherNet/IP, Ethernet TCP/IP, PROFINET
- Passive Power over Ethernet (PoE)
- Integrated targeting and read/pass indicators
- WebLink browser-based setup interface

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 682393 | 7412-1000-1005 | MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, Standard Density, Autofocus, Red LED, High Speed, X-Mode Decoder | 3,059.00 | 4549734217071 |
| 682409 | 7412-2000-1003 | MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, Red LED, Standard Speed, X-Mode Decoder | 2,568.00 | 4549734217088 |
| 682367 | 7412-2000-1005 | MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, Red LED, High Speed, X-Mode Decoder | 3,059.00 | 4549734217095 |
| 682346 | 7412-2000-2005 | MicroHAWK ID-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Autofocus, White LED, High Speed, X-Mode Decoder | 3,059.00 | 4549734217101 |



All codes with one touch

The new compact FQ-CR1 code reader enables accurate, reliable and easy reading of barcodes and 2D codes, thanks to superior crystal clear imaging technology, which it shares with the other products in our highly regarded FQ family of vision sensors.

- 1D code reader
- 2D code reader
- Crystal-clear image quality
- One-touch control via simple, icon-driven menu

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 371411 | FQ-CR15010F-M | Code reader, multi code, distance 38-60mm, view 7-13mm, PNP | 1,658.00 | 4548583343337 |
| 371415 | FQ-CR15100F-M | Code reader, multi code, long distance 220-970mm, view 53-240mm, PNP | 1,734.00 | 4548583343382 |

FQ2-S4

Ident systems



All-In-One (barcode, 2D code, text, quality inspection, positioning)

For the combination of code reading or verification tasks with quality inspection and/or positioning tasks, the FQ2-S4 is the ideal solution for all required functionalities in one compact housing. Up to 32 individual inspection tasks can be set up with the easy-to-use and detachable programming devices.

- All-in-one solution for up to 32 code reading & verification, text, quality inspection and positioning tasks
- Easy-to-use and detachable programming devices
- IP67

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 373120 | FQ2-S45050F | FQ2 vision sensor, ID + Inspection, color, PNP, standard view(50 mm) | 3,599.00 | 4548583361980 |
| 373128 | FQ2-S45050F-M | FQ2 vision sensor, ID + Inspection, mono, PNP, standard view(50 mm) | 3,599.00 | 4548583362062 |
| 373137 | FQ2-S45100F-08 | FQ2 vision sensor, high resolution, ID + Inspection, color, PNP, wide view(240mm), long distance(970mm) | 4,419.00 | 4548583362154 |
| 373145 | FQ2-S45100F-08M | FQ2 vision sensor, high resolution, ID + Inspection, mono, PNP, wide view(240mm), long distance(970mm) | 4,419.00 | 4548583362239 |
| 373129 | FQ2-S45100F-M | FQ2 vision sensor, ID + Inspection, mono, PNP, wide view(240mm), long distance(970mm) | 3,506.00 | 4548583362079 |
| 373122 | FQ2-S45100N | FQ2 vision sensor, ID + Inspection, color, PNP, wide view(300 mm), short distance(380 mm) | 2,852.00 | 4548583362000 |
| 373138 | FQ2-S45100N-08 | FQ2 vision sensor, high resolution, ID + Inspection, color, PNP, wide view(300 mm), short distance(380 mm) | 4,515.00 | 4548583362161 |
| 373146 | FQ2-S45100N-08M | FQ2 vision sensor, high resolution, ID + Inspection, mono, PNP, wide view(300mm), short distance(380mm) | 4,419.00 | 4548583362246 |
| 373130 | FQ2-S45100N-M | FQ2 vision sensor, ID + Inspection, mono, PNP, wide view(300mm), short distance(380mm) | 3,024.00 | 4548583362086 |
| 373147 | FQ2-S45-13 | FQ2 vision sensor, c-mount type, ID + Inspection, color, PNP | 4,121.00 | 4548583362260 |

HS-360X "Ultra-Rugged" Direct Part Mark Handheld



The HS-360X Ultra-Rugged Handheld Scanner is an industrial direct part mark (DPM) reader, purpose built from the ground up to set new standards for durability and performance.

- The HS-360X includes X-Mode decoding algorithms to consistently read damaged, distorted or otherwise challenging directly marked codes at high decode rates.
- With best-in-class out-of-box performance most applications require no setup.
- The WebLinkPC user interface makes setup for more difficult applications intuitive and easy.
- The IP65-sealed charging station transmits and receives data over Bluetooth up to 100 m, and the cordless scanner achieves more than 50,000 scans per full charge and includes an on board battery gauge.
- In addition to 2.45 m drops, the housing of the scanner tolerates many industrial fluids and chemicals, such as motor oil and brake fluid.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 682207 | HDS-3678-0001 | Handheld DPM Scanner, Cordless, HDS-3678 | 2,271.00 | 4549734947213 |

MS-3 Compact Laser Barcode Scanner



The MS-3 laser barcode scanner offers the fastest read performance in embedded compact barcode scanners.

- Decodes/second: up to 1000
- Read range: 51 to 254 mm
- Wide scan angle
- IP54 enclosure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 682373 | FIS-0003-0001G | MS-3 Barcode Reader, Single Line, Low Density | 1,208.00 | 4549734216517 |
| 682344 | FIS-0003-0003G | MS-3 Barcode Reader, Raster, Low Density | 1,275.00 | 4549734216531 |



QX-830 Industrial Barcode Scanner

The QX-830 industrial barcode scanner combines revolutionary flexible connectivity with high performance decoding capabilities to reliably read 1D barcodes in almost any automation environment. In addition to the X-Mode technology, the QX-830 features IP54 industrial sealing and embedded Ethernet protocols.

High performance, simple connectivity, and IP54 enclosure make the QX-830 an ideal industrial barcode scanner for any industrial application.

- Scans/second: 300 to 1400
- Read range: 25 to 762 mm
- Embedded Ethernet TCP/IP & EtherNet/IP
- IP54 enclosure

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 682345 | FIS-0830-1002G | QX-830 Scanner, Single Line, MD, Serial & Ethernet | 2,308.00 | 4549734216678 |
| 682391 | FIS-0830-1005G | QX-830 Scanner, Raster Line, MD, Serial & Ethernet | 2,308.00 | 4549734216708 |

Additional ident systems

Ident systems

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--------------------------------|-----------|---------------|
| 682137 | FIS-0004-0001G | MS-4 Imager, SD, RS-232, 5 VDC | 1,346.00 | 4549734259101 |



3 in 1 RFID system: Antenna, Amplifier & Controller in a single compact housing

The all-in-one design of the V680S RFID system provides simple installation. Communication via a Modbus TCP connection, ideal for industrial applications, makes system expansion possible with minimal effort. Configuration via the integrated web browser interface is fast and requires no additional software or special cables.

- Ethernet (Modbus TCP)
- WEB browser can be used for setting, monitoring, and communications with RFID tags
- RFID Analyser
- Communication Diagnostic

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 108924 | CJ1W-V600C11 | ID Sensor Unit, single-head, compatible with V600 RFID series | 1,448.00 | 4536854870866 |
| 148904 | CJ1W-V600C12 | ID Sensor Unit, double-head, compatible with V600 RFID series | 2,049.00 | 4536854870873 |
| 244991 | CJ1W-V680C11 | V680 RFID Sensor unit, one channel, for CJ-series PLCs | 1,479.00 | 4547648510714 |
| 244992 | CJ1W-V680C12 | V680 RFID Sensor unit, two channel, for CJ-series PLCs | 2,108.00 | 4547648510721 |
| 237730 | V680-D1KP52MT | V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 8mm diameter x 5mm | 30.80 | 4547648393645 |
| 323787 | V680-D1KP53M | V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 10 mm diameter x 4.5 mm | 30.38 | 4547648616966 |
| 346282 | V680-D1KP54T | V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, round, 20mm diameter x 2.7 mm | 28.65 | 4547648826693 |
| 237732 | V680-D1KP66MT | V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, square, 34 x 34 x 3.5mm, for flush mounting on metallic surfaces | 32.15 | 4547648393652 |
| 237731 | V680-D1KP66T | V680 ID Tag, I-CODE SLI, EEPROM, 1KB user memory, square, 34 x 34 x 3.5mm, for flush mounting on non-metallic surfaces | 26.42 | 4547648393669 |
| 246937 | V680-HAM42-DRT | V680 DeviceNet Slave controller | 833.50 | 4547648546140 |
| 246939 | V680-HAM81 | V680 amplifier-integrated controller (ID Flag sensor) read and write 16 bits of data, PNP output | 551.00 | 4547648550932 |
| 245177 | V680-HS51 2M | V680 Read/Write Antenna, cylindrical type, M12 x 35 mm, standard cable, non-waterproof connector, 2m | 234.60 | 4547648514545 |
| 231857 | V680-HS52-W 2M | V680 Read/Write Antenna, Cylinder type, standard cable with IP67 connector, 2m | 212.50 | 4547648318402 |
| 231862 | V680-HS63-W 12.5M | V680 Read/Write Antenna, Square type 40x53x23mm, standard cable with IP67 connector, 12.5m | 249.00 | 4547648318464 |
| 231861 | V680-HS63-W 2M | V680 Read/Write Antenna, Square type 40x53x23mm, standard cable with IP67 connector, 2m | 188.50 | 4547648318457 |
| 376246 | V680S-A41 5M | V680S ID reader/writer Ethernet and power cable, M12 - RJ45, length 5m | 271.20 | 4548583408036 |
| 386321 | V680S-D2KF67 | V680S RF Tag, 2 kbytes, 40x40x5 for flush mounting on nonmetallic surface | 38.10 | 4548583453951 |
| 386322 | V680S-D2KF67M | V680S RF Tag, 2 kbytes, 40 x 40 x 5 for flush mounting on metallic surface | 69.75 | 4548583453968 |
| 419015 | V680S-HMD63-EIP | V680S RFID reader/writer unit, 50 x 50 x 30 mm, EtherNet/IP, IP67, 24 VDC | 807.00 | 4548583561960 |
| 419016 | V680S-HMD64-EIP | V680S RFID reader/writer unit, 75 x 75 x 40 mm, EtherNet/IP, IP67, 24 VDC | 1,052.00 | 4548583561984 |
| 376241 | V680S-HMD64-ETN | V680S ID reader/writer unit, Modbus TCP, IP67, longer distance, 24VDC | 1,188.00 | 4548583407695 |
| 419012 | V680S-HMD64-PNT | V680S RFID reader/writer unit, 75x75x40 mm, PROFINET, IP67, 24 VDC | 1,052.00 | 4548583561991 |
| 419017 | V680S-HMD66-EIP | V680S RFID reader/writer unit, 120 x 120 x 40 mm, EtherNet/IP, IP67, 24 VDC | 1,294.00 | 4548583562004 |
| 376240 | V680S-HMD66-ETN | V680S ID reader/writer unit, Modbus TCP, IP67, longer distance, 24VDC | 1,471.00 | 4548583407688 |
| 419013 | V680S-HMD66-PNT | V680S RFID reader/writer unit, 120x120x40 mm, PROFINET, IP67, 24 VDC | 1,294.00 | 4548583562011 |

Additional RFID systems

RFID systems

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 108942 | V600-D23P66N | V600 ID tag, rectangular, 34 x 34 x 3.5mm, 254 byte capacity | 26.27 | 4536854707148 |
| 108952 | V600-H11 | V600 R/W Head, rectangular, 53 x 40 x 23 mm, 2 m cable | 422.80 | 4536854707353 |
| 108964 | V600-HAM81 0.5M | V600 RFID intelligent flag controller, multi-functional (read/write), 8-bit, PNP open collector outputs, 24 VDC, 0.5m cable | 775.00 | 4536854707728 |
| 108965 | V600-HAR81 0.5M | V600 Intelligent Flag controller, read-only type (8-bit data), 0.5m cable with dedicated connector | 663.00 | 4536854707742 |
| 108955 | V600-HS51 2M | V600 RFID read/write head, separate amplifier type, 12 dia. X 35mm deep, 2m cable | 257.30 | 4536854707797 |
| 146058 | V600-HS63 2M | V600 RFID read/write head, rectangular 53 x 40 x 23mm, 2m cable with connector | 248.10 | 4536854707810 |

High-speed, high-accuracy inspection and measurement



The new FHV7-series Smart Camera combined with illumination and image processing functionality for advanced vision inspections. Thanks to the world's first multi-color light and a best-in-class 12-megapixel high-resolution camera, only a single FHV7-series Smart Camera is required for achieving the industry's highest standards of precision in vision inspections on a high-mix production line.

- Industry's highest sensing capability
- Industry's highest processing capability
- Usability to maximize performance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 685231 | FHV7H-M004-C | FH Vision Smart Camera, high performance, monochrome type, 0.4 Mpix resolution, 6.9 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40 | 3,587.00 | 4549734282826 |
| 685232 | FHV7H-M016-C | FH Vision Smart Camera, high performance, monochrome type, 1.6 Mpix resolution, 3.45 µm pixel size, 1/2.9" chip size, global shutter, C-mount, 24 VDC, IP40 | 4,082.00 | 4549734282833 |
| 685233 | FHV7H-M032-C | FH Vision Smart Camera, high performance, monochrome type, 3.2 Mpix resolution, 3.45 µm pixel size, 1/1.8" chip size, global shutter, C-mount, 24 VDC, IP40 | 4,775.00 | 4549734282840 |
| 685234 | FHV7H-M050-C | FH Vision Smart Camera, high performance, monochrome type, 5.0 Mpix resolution, 3.45 µm pixel size, 2/3" chip size, global shutter, C-mount, 24 VDC, IP40 | 5,510.00 | 4549734282857 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 685283 | FHV-LEM-S06 | FHV7 lens module, 6 mm focal length | 748.50 | 4549734282536 |
| 685284 | FHV-LEM-S09 | FHV7 lens module, 9 mm focal length | 748.50 | 4549734282543 |
| 685285 | FHV-LEM-S12 | FHV7 lens module, 12 mm focal length | 748.50 | 4549734282550 |
| 685286 | FHV-LEM-S16 | FHV7 lens module, 16 mm focal length | 748.50 | 4549734282567 |
| 685287 | FHV-LEM-S25 | FHV7 lens module, 25 mm focal length | 748.50 | 4549734282574 |
| 685290 | FHV-LTM-MC | FHV7 illumination module, multi color Red Green Blue, IR, includes protection window | 1,654.00 | 4549734282611 |
| 685289 | FHV-LTM-W | FHV7 illumination module, white, includes protection window | 828.00 | 4549734282598 |
| 685302 | FHV-VDB 10M | FHV7 Power / IO Cable, straight 10 m, M12 connector | 492.00 | 4549734282758 |
| 685299 | FHV-VDB 2M | FHV7 Power / IO Cable, straight 2 m, M12 connector | 149.50 | 4549734282727 |
| 685300 | FHV-VDB 3M | FHV7 Power / IO Cable, straight 3 m, M12 connector | 191.90 | 4549734282734 |
| 685301 | FHV-VDB 5M | FHV7 Power / IO Cable, straight 5 m, M12 connector | 279.80 | 4549734282741 |
| 685306 | FHV-VDLB 10M | FHV7 Power / IO Cable, right angle 10 m, M12 connector | 492.00 | 4549734282802 |
| 685305 | FHV-VDLB 5M | FHV7 Power / IO Cable, right angle 5 m, M12 connector | 279.80 | 4549734282796 |
| 685294 | FHV-VNB 10M | FHV7 Ethernet cable, straight 10 m, M12 connector | 354.50 | 4549734282659 |
| 685291 | FHV-VNB 2M | FHV7 Ethernet cable, straight 2 m, M12 connector | 142.10 | 4549734282628 |
| 685292 | FHV-VNB 3M | FHV7 Ethernet cable, straight 3 m, M12 connector | 175.80 | 4549734282635 |
| 685293 | FHV-VNB 5M | FHV7 Ethernet cable, straight 5 m, M12 connector | 227.10 | 4549734282642 |
| 685298 | FHV-VNLB 10M | FHV7 Ethernet cable, right angle 10 m, M12 connector | 354.50 | 4549734282703 |
| 685297 | FHV-VNLB 5M | FHV7 Ethernet cable, right angle 5 m, M12 connector | 227.10 | 4549734282697 |
| 685307 | FHV-XDF | FHV7 Diffusion filter | 489.30 | 4549734451949 |
| 685311 | FHV-XHD-L | FHV7 Waterproof hood, long, for 3Z4S-LE SV-H series | 172.00 | 4549734451994 |
| 685312 | FHV-XHD-LEM | FHV7 Waterproof hood, for motorized lens modules | 197.80 | 4549734452007 |
| 685313 | FHV-XMT-7 | Fixture for FHV7 | 60.20 | 4549734452014 |
| 685308 | FHV-XPL | FHV7 Polarization filter, for visible light | 206.30 | 4549734451956 |

High Speed Performance of the new controllers



- High performance components deliver outstanding performance meeting the toughest requirements
- Smart Algorithms and Vision Tools make every application robust and reliable - at any speed
- Modern camera lineup enables you to pick the most suitable hardware for every application – best performance at best value

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 377471 | FH-1050 | FH standard controller 2-core, NPN/PNP 2 cameras | 8,885.00 | 4548583385405 |
| 377472 | FH-1050-10 | FH standard controller 2-core, NPN/PNP 4 cameras | 11,350.00 | 4548583385412 |
| 377761 | FH-1050-20 | FH standard controller 2-core, NPN/PNP 8 cameras | 12,640.00 | 4548583385429 |
| 377451 | FH-3050 | FH high-speed controller 4-core, NPN/PNP 2 cameras | 13,390.00 | 4548583385375 |
| 377470 | FH-3050-10 | FH high-speed controller 4-core, NPN/PNP 4 cameras | 16,520.00 | 4548583385382 |
| 377760 | FH-3050-20 | FH high-speed controller 4-core, NPN/PNP 8 cameras | 18,180.00 | 4548583385399 |
| 670063 | FH-L550 | FH-Lite controller, standard grade, box type, 2 camera | 6,255.00 | 4548583785779 |
| 670064 | FH-L550-10 | FH-Lite controller, standard grade, box type, 4 camera | 7,355.00 | 4548583785786 |
| 377457 | FH-SC | FH camera, standard resolution, colour | 1,665.00 | 4548583385498 |
| 377455 | FH-SC02 | FH camera, high resolution 2M pixel, color | 4,051.00 | 4548583385474 |
| 377453 | FH-SC04 | FH camera, high resolution 4M pixel, color | 8,070.00 | 4548583385450 |
| 670066 | FH-SC05R | FH camera, high resolution 5 M pixel, color, rolling shutter | 2,359.00 | 4548583785809 |
| 377458 | FH-SM | FH camera, standard resolution, monochrome | 1,665.00 | 4548583385504 |
| 377456 | FH-SM02 | FH camera, high resolution 2M pixel, monochrome | 4,051.00 | 4548583385481 |
| 377454 | FH-SM04 | FH camera, high resolution 4M pixel, monochrome | 8,070.00 | 4548583385467 |
| 670065 | FH-SM05R | FH camera, high resolution 5 m pixel, monochrome, rolling shutter | 2,359.00 | 4548583785793 |
| 384725 | FH-SM12 | FH camera, high resolution 12M pixel, monochrome | 9,205.00 | 4548583385443 |
| 679699 | FZ5-805 | FZ5 vision controller, standard grade, integrated LCD touchscreen, 2 camera, PNP | 10,370.00 | 4548583859265 |
| 372096 | FZ-S | FZ camera, standard resolution, monochrome | 1,719.00 | 4548583329508 |
| 375355 | FZ-S2M | FZ/FJ Camera, high resolution 2M pixel, greyscale | 5,420.00 | 4548583368057 |
| 372097 | FZ-SC | FZ camera, standard resolution, color | 1,719.00 | 4548583329522 |
| 374930 | FZ-SC2M | FZ camera, high resolution 2M pixel, color | 5,420.00 | 4548583368064 |
| 351978 | FZ-SQ050F | FZ-SQ intelligent compact color camera, high-power lighting, distance 56-215mm, standard view 13-53mm | 1,378.00 | 4548583008809 |
| 351979 | FZ-SQ100F | FZ-SQ intelligent compact color camera, high-power lighting, long-distance 220-970mm, wide view 53-240mm | 1,432.00 | 4548583008816 |
| 351980 | FZ-SQ100N | FZ-SQ intelligent compact color camera, high-power lighting, short-distance 32-380mm, wide view 29-300mm | 1,940.00 | 4548583008823 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 410318 | FH-MT12 | Vision system FH touch panel monitor 12-inch | 1,260.00 | 4548583564473 |
| 410312 | FH-VMDA 2M | Vision system accessory FH conversion cable monitor DVI-RGB 2 m | 105.00 | 4548583564480 |
| 410313 | FH-VMDA 5M | Vision system accessory FH conversion cable monitor DVI-RGB 5 m | 180.10 | 4548583564497 |
| 410315 | FH-VUAB 2M | Vision system accessory FH USB cable touch panel 2 m | 52.55 | 4548583564534 |
| 410316 | FH-VUAB 5M | Vision system accessory FH USB cable touch panel 5 m | 67.65 | 4548583564541 |
| 348112 | FZ-VP 2M | Parallel I/O cable, 2m | 176.30 | 4548583002883 |
| 348113 | FZ-VP 5M | Parallel I/O cable, 5 m | 298.40 | 4548583002890 |
| 393354 | FZ-VS3 10M | Accessory vision, FH and FZ, standard camera cable, 10m | 609.00 | 4548583533721 |
| 393351 | FZ-VS3 2M | Accessory vision, FH and FZ, standard camera cable, 2m | 350.20 | 4548583533691 |
| 393353 | FZ-VS3 5M | Accessory vision, FH and FZ, standard camera cable, 5m | 495.40 | 4548583533714 |
| 393355 | FZ-VS4 15M | Accessory vision, FH and FZ, camera cable, long distance, 15m | 1,551.00 | 4548583533738 |
| 682708 | FZ-VSB3 10M | Accessory vision, FH and FZ, camera cable, bend resistant, 10 m | 732.00 | 4549734126922 |
| 241486 | FZ-VSJ | FZ Camera cable extension hub (max 3 cables 45m) | 1,420.00 | 4547648445849 |
| 393356 | FZ-VSL3 2M | Accessory vision, FH and FZ, camera cable, standard, right angled connector, 2m | 505.50 | 4548583533745 |
| 385123 | XW2Z-100EE | Parallel I/O cable for terminal block XW2R-_34G-T, 1 m | 110.20 | 4548583484979 |
| 377508 | XW2Z-S013-2 | Parallel I/O cable, 2m, for FH series only | 149.90 | 4548583434455 |
| 377509 | XW2Z-S013-5 | Parallel I/O cable, 5m, for FH series only | 249.60 | 4548583434462 |



MicroHAWK MV-40 Industrial Ethernet Smart Camera

The MicroHAWK MV-40 redefines the imaging market as the smallest IP65/67-rated, true-industrial Ethernet smart camera. With the library of Omron Microscan's machine vision tools on board in a rugged, ultra-compact case, the MV-40 is the complete package for solving any vision inspection challenge under any condition. Combining unprecedented ease-of-use, high-speed communication, optional liquid lens autofocus, and ultra-small form factor, the MV-40 sets the benchmark as the ultimate compact machine vision system in the industry.

- IP65/67
- Serial RS-232, EtherNet/IP, Ethernet TCP/IP, PROFINET
- Passive Power over Ethernet
- Optional liquid lens autofocus
- Integrated targeting and read/pass indicators
- 25 mm x 45 mm x 45 mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 682603 | 7412-2000-1101 | MicroHAWK MV-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, AutoFocus, Red LED, AutoVISION | 3,424.00 | 4549734232852 |
| 682126 | 7412-2000-2103 | MicroHAWK MV-40, IP65 Case, 24 VDC, Ethernet, SXGA, 1.2 Megapixel, Mono, High Density, Auto-focus, White LED, AutoVISION + Verification | 3,914.00 | 4549734232920 |



Powerful illumination with an easy setup

The FLV and 3Z4S series offer a wide range of illumination, strobe controllers and lenses for Omron Vision systems. Smart inspection solutions can be created due to the direct control of the illumination to Xpectia FZ and FH. Power supplies are no longer necessary for the lights, which helps to save costs and space in your application.

- Full range of illumination: bar-, ring-, coaxial-, spot-, dome-, back- lights etc.
- Strobe controller for Xpectia FZ & FH
- Lenses for any resolution

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 381493 | 3Z4S-LE SV-03514V | Vision lens, standard, low distortion 3.5 mm | 312.00 | 4548583496880 |
| 381494 | 3Z4S-LE SV-04514V | Vision lens, standard, low distortion 4.5 mm | 261.90 | 4548583496897 |
| 373706 | 3Z4S-LE SV-0614H | Accessory vision, lens 6 mm, high resolution, low distortion | 1,124.00 | 4548583335479 |
| 373699 | 3Z4S-LE SV-0614V | Accessory vision, lens 6 mm | 432.30 | 4548583335387 |
| 373700 | 3Z4S-LE SV-0813V | Accessory vision, lens 8 mm | 356.60 | 4548583335394 |
| 373707 | 3Z4S-LE SV-0814H | Accessory vision, lens 8 mm, high resolution, low distortion | 611.00 | 4548583335486 |
| 373708 | 3Z4S-LE SV-1214H | Accessory vision, lens 12 mm, high resolution, low distortion | 594.00 | 4548583335493 |
| 373701 | 3Z4S-LE SV-1214V | Accessory vision, lens 12 mm | 252.00 | 4548583335400 |
| 373709 | 3Z4S-LE SV-1614H | Accessory vision, lens 16 mm, high resolution, low distortion | 571.00 | 4548583335509 |
| 373702 | 3Z4S-LE SV-1614V | Accessory vision, lens 16 mm | 328.20 | 4548583335417 |
| 373710 | 3Z4S-LE SV-2514H | Accessory vision, lens 25 mm, high resolution, low distortion | 360.10 | 4548583335516 |
| 373703 | 3Z4S-LE SV-2514V | Accessory vision, lens 25 mm | 312.00 | 4548583335424 |
| 373711 | 3Z4S-LE SV-3514H | Accessory vision, lens 35 mm, high resolution, low distortion | 505.50 | 4548583335523 |
| 373704 | 3Z4S-LE SV-3518V | Accessory vision, lens 35 mm | 356.60 | 4548583335431 |
| 373712 | 3Z4S-LE SV-5014H | Accessory vision, lens 50 mm, high resolution, low distortion | 515.00 | 4548583335530 |
| 373705 | 3Z4S-LE SV-5018V | Accessory vision, lens 50 mm | 312.00 | 4548583335448 |
| 373713 | 3Z4S-LE SV-EXR | Extension tube set, 7 piece (40, 20, 10, 5, 2, 1, 0.5 mm) | 144.00 | 4548583335547 |
| 670696 | 3Z4S-LE SV-PL270-SS | Polarizing filter for lens, M27.0 P0.5, with Anti-rotation mechanism | 85.55 | 4548583722545 |
| 386975 | 3Z4S-LE VS-0618H1 | Vision lens, high resolution, low distortion, 6 mm for 1-inch sensor size | 743.50 | 4548583425149 |
| 386974 | 3Z4S-LE VS-0814H1 | Vision lens, high resolution, low distortion, 8 mm for 1-inch sensor size | 604.50 | 4548583417854 |
| 682707 | 3Z4S-LE VS-1214H1 | Vision lens, high resolution, low distortion, 12 mm for 1-inch sensor size | 552.00 | 4549734181426 |
| 682633 | 3Z4S-LE VS-1614H1N | Vision lens, high resolution, low distortion, 16 mm for 1-inch sensor size | 552.00 | 4549734181433 |
| 683380 | 3Z4S-LE VS-2514H1 | Vision lens, high resolution, low distortion, 25 mm for 1-inch sensor size | 551.50 | 4549734181440 |
| 682441 | 3Z4S-LE VS-3514H1 | Vision lens, high resolution, low distortion, 35 mm for 1-inch sensor size | 552.00 | 4549734181457 |
| 682440 | 3Z4S-LE VS-5018H1 | Vision lens, high resolution, low distortion, 50 mm for 1-inch sensor size | 538.50 | 4549734181464 |
| 354125 | FL-BR13120W | Bar ODR-light, 131x20mm, wide area model, white LED, IP20, cable 0,3m | 1,004.00 | 4548583032965 |
| 354121 | FL-BR5020W | Bar ODR-light, 50x20mm, wide area model, white LED, IP20, cable 0,3m | 439.20 | 4548583032927 |
| 354122 | FL-BR5020W-H | Bar ODR-light, 50x20mm, high-brightness model, white LED, IP20, cable 0,3m | 542.50 | 4548583032934 |
| 354123 | FL-BR9120W | Bar ODR-light, 91x20mm, wide area model, white LED, IP20, cable 0,3m | 716.50 | 4548583032941 |
| 354127 | FL-DR32W | Ring ODR-light, 32/10mm, wide area model, white LED, IP20, cable 0,3m | 822.50 | 4548583035690 |
| 354128 | FL-DR32W-H | Ring ODR-light, 32/10mm, high-brightness model, white LED, IP20, cable 0,3m | 1,050.00 | 4548583035706 |
| 354129 | FL-DR50W | Ring ODR-light, 50/28mm, wide area model, white LED, IP20, cable 0,3m | 915.00 | 4548583035713 |
| 354130 | FL-DR50W-H | Ring ODR-light, 50/28mm, high-brightness model, white LED, IP20, cable 0,3m | 1,145.00 | 4548583035720 |
| 354131 | FL-DR90W | Ring ODR-light, 90/50mm, wide area model, white LED, IP20, cable 0,3m | 1,719.00 | 4548583035737 |
| 354132 | FL-DR90W-H | Ring ODR-light, 90/50mm, high-brightness model, white LED, IP20, cable 0,3m | 2,180.00 | 4548583035744 |
| 354134 | FL-STC15 | Lighting controller, 1-channel, light adjustment 400 levels, continuous light or triggered light or strobe light, 24 VDC, I/O interface D-SUB, PNP | 525.50 | 4548583032996 |
| 354136 | FL-STC25 | Lighting controller, 2-channel, light adjustment 400 levels, continuous light or triggered light or strobe light, 24 VDC, I/O interface D-SUB, PNP | 670.00 | 4548583033016 |
| 355849 | FL-TCC1 | Strobe controller for vision lighting, 1-channel, separate holder to be mounted on the FZ camera | 525.50 | 4548583067011 |
| 355851 | FL-TCC1-XAT | Camera mounting attachment, for controller FL-TCC1 | 159.70 | 4548583067035 |
| 378517 | FLV-ATC21024-C | Analog lighting controller dimming 2ch 24 | 387.70 | 4548583426009 |
| 378518 | FLV-ATC41024-C | Analog lighting controller dimming 4ch 24 | 464.00 | 4548583426016 |
| 378512 | FLV-TCC1 | standard camera-mount lighting controller 1ch for FLV | 271.80 | 4548583425774 |
| 378516 | FLV-TCC4 | standard camera-mount lighting controller 4ch for FLV | 545.00 | 4548583425781 |
| 378515 | FLV-XC5 | Extension cable 5 m for standard lighting | 48.86 | 4548583429178 |
| 354153 | FL-XBK1 | Bar light FL-mounting brackets | 49.48 | 4548583032897 |
| 354141 | FL-XC10 | Extension standard cable, 10m | 249.40 | 4548583032767 |
| 354138 | FL-XC2 | Extension standard cable, 2m | 77.20 | 4548583032729 |
| 354139 | FL-XC3 | Extension standard cable, 3m | 95.45 | 4548583032736 |
| 354140 | FL-XC5 | Extension standard cable, 5m | 134.10 | 4548583032750 |
| 354146 | FL-XC5R | Extension flexible cable, 5m | 196.40 | 4548583032828 |

**Simple, flexible & crystal clear**

The new FZ5 integrates the benefits of a Smart Camera and a powerful Vision System in a single platform. The unique image clarity achieved by using an intelligent camera enables simple setup, fast installation and enhanced optical performance.

- Crystal-clear image quality
- Real Color Processing (16 million colors)
- C-mount and Smart Cameras
- EtherNet/IP & TCP/IP communication

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 377467 | FZ5-L355 | FZ5-Lite controller, standard grade, box type, 2 camera, PNP | 6,935.00 | 4548583385689 |

The new standard in image inspection and code verification



The FQ2 vision sensor family is set to redefine the vision sensor market, providing advanced inspection, code reading and verification only previously available in higher end vision systems. With over 100 camera options, the FQ2 provides users with the ultimate flexibility to solve a variety of applications. Whether you need high resolution, code reading, integrated lighting, or a cost effective solution to solve a simple application, there is an FQ2 that fits your every need.

- Powerful functionality with versatile line-up
- Crystal clear images
- All-in-one-housing
- Easy searching with Shape Search II
- Direct Part Marked (DPM)
- Unique OCR technology
- Code verification
- Advanced Inspection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 372137 | FQ2-D30 | FQ2 touch finder, 3.5" TFT color LCD screen, SD card, 24VDC | 1,340.00 | 4548583107755 |
| 372136 | FQ2-D31 | FQ2 touch finder, 3.5" TFT color LCD screen, SD card, 24VDC, AC adaptor, battery | 1,448.00 | 4548583107762 |
| 372150 | FQ2-S15010F | FQ2 vision sensor, single function, PNP, narrow view(13mm) | 1,118.00 | 4548583322387 |
| 372151 | FQ2-S15050F | FQ2 vision sensor, single function, PNP, standard view(50 mm) | 1,101.00 | 4548583322394 |
| 372152 | FQ2-S15100F | FQ2 vision sensor, single function, PNP, wide view(240 mm), long distance(970 mm) | 1,153.00 | 4548583322400 |
| 372153 | FQ2-S15100N | FQ2 vision sensor, single function, PNP, wide view(300 mm), short distance(380 mm) | 1,616.00 | 4548583322417 |
| 372141 | FQ2-S20100N | FQ2 vision sensor, standard function, NPN, wide view(300 mm), short distance(380 mm) | 2,533.00 | 4548583107588 |
| 372143 | FQ2-S25050F | FQ2 vision sensor, standard function, PNP, standard view(50 mm) | 1,798.00 | 4548583107601 |
| 372144 | FQ2-S25100F | FQ2 vision sensor, standard function, PNP, wide view(240 mm), long distance(970 mm) | 1,833.00 | 4548583107618 |
| 372145 | FQ2-S25100N | FQ2 vision sensor, standard function, PNP, wide view(300 mm), short distance(380 mm) | 2,533.00 | 4548583107625 |
| 372121 | FQ2-S35050F-08 | FQ2 vision sensor, high resolution, color, PNP, standard view(50 mm) | 4,027.00 | 4548583322479 |
| 372129 | FQ2-S35050F-08M | FQ2 vision sensor, high resolution, mono, PNP, standard view(50mm) | 4,027.00 | 4548583107687 |
| 372130 | FQ2-S35100F-08M | FQ2 vision sensor, high resolution, mono, PNP, wide view(240mm), long distance(970mm) | 4,453.00 | 4548583107694 |
| 372123 | FQ2-S35100N-08 | FQ2 vision sensor, high resolution, color, PNP, wide view(300 mm), short distance(380 mm) | 3,863.00 | 4548583322493 |
| 372133 | FQ2-S35-13 | FQ2 vision sensor, c-mount type, color, PNP | 2,972.00 | 4548583107724 |
| 372135 | FQ2-S35-13M | FQ2 vision sensor, c-mount type, mono, PNP | 3,898.00 | 4548583107748 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 678182 | FQ-WD002-E | FQ I/O cable, 2 m | 165.20 | 4549734922951 |
| 678183 | FQ-WD003-E | FQ I/O cable, 3 m | 109.70 | 4549734922968 |
| 678184 | FQ-WD005-E | FQ I/O cable, 5 m | 134.50 | 4549734922975 |
| 678185 | FQ-WD010-E | FQ I/O cable, 10 m | 222.00 | 4549734922982 |
| 337796 | FQ-WD020 | FQ I/O cable, 20 m | 638.00 | 4547648830119 |
| 337805 | FQ-WN002 | FQ Ethernet cable, 2 m | 164.90 | 4547648830065 |
| 360744 | FQ-WN002-E | FQ Ethernet cable, 2 m | 71.30 | 4548583129269 |
| 360745 | FQ-WN003-E | FQ Ethernet cable, 3 m | 79.80 | 4548583129276 |
| 360746 | FQ-WN005-E | FQ Ethernet cable, 5 m | 95.45 | 4548583129283 |
| 337806 | FQ-WN010 | FQ Ethernet cable, bend resistant, 10 m | 255.00 | 4547648830072 |
| 360741 | FQ-WN010-E | FQ Ethernet cable, 10 m | 133.30 | 4548583129290 |
| 337807 | FQ-WN020 | FQ Ethernet cable, 20 m | 599.00 | 4547648830089 |
| 372157 | FQ-WU002 | FQ sensor data unit cable for FQ-SDU*, 2 m | 219.30 | 4548583107472 |
| 372154 | FQ-WU010 | FQ sensor data unit cable for FQ-SDU*, 10 m | 463.30 | 4548583107496 |
| 372159 | FQ-WU020 | FQ sensor data unit cable for FQ-SDU*, 20 m | 767.50 | 4548583107502 |
| 337800 | FQ-XF1 | FQ Polarizing Filter, (enclosed with sensor) | 302.40 | 4547648830157 |
| 337797 | FQ-XL | Accessory FQ/FQ2 Mounting Bracket, (enclosed with sensor) | 91.60 | 4547648830126 |
| 337799 | FQ-XPM | Accessory FQ/FQ2 Panel Mounting Adapter, for Touch Finder | 267.00 | 4547648830140 |



LVS-9510 Desktop Barcode Verifier

The LVS-9510 desktop barcode verifier is unique in the world of ISO verification due to its ease of use and ability to verify linear (1D) and two-dimensional (2D) codes without any change of equipment. The system automatically determines the symbology and aperture needed to evaluate the code and identifies and highlights trouble spots. The LVS-9510 offers a "stitching" feature that allows grading of barcodes that are larger than the field of view.

- 1D & 2D barcode verification all-in-one system
- Desktop barcode verifier
- Validates to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Field of view range from 76mm to over 152mm
- Software upgrade options include multi-sector for verification of multiple barcodes on a label
- 21 CFR Part 11 compliant-ready for all FDA regulated industries
- Certified by GS1 US for the UDI (Unique Device Identification) requirement issued by the FDA to medical device manufacturers
- Supports 15 languages with the ability to add more languages
- Quality data reporting for auditing purposes
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|------------------------------|-----------|---------------|
| 682319 | 9510-5-3.0 | LVS-9510 Verifier, 3" FoV | 7,560.00 | 4549734217255 |
| 682357 | 9510-5-4.0 | LVS-9510 Verifier, 4" FoV | 7,560.00 | 4549734217262 |
| 682336 | 9510-5-4.5 | LVS-9510 Verifier, 4.5" FoV | 7,560.00 | 4549734217279 |
| 682386 | 9510-5-6.250 | LVS-9510 Verifier, 6.25" FoV | 7,560.00 | 4549734217286 |



LVS-9580 Handheld Barcode Verifier

The LVS-9580 is a high-performance handheld solution for off-line barcode verification to ISO/IEC and MIL-STD-130N standards. Featuring a high-resolution 5.0 megapixel camera, the LVS-9580 reads and analyzes linear (1D) and two-dimensional (2D) barcodes up to 76.19 mm wide and up to 57.15 mm tall.

The LVS-9580 verifies multiple barcode types, including any combination of linear, 2D (Data Matrix, QR Code, and Aztec Code), and stacked linear (PDF 417, Micro PDF and Composite Codes). Contact us for a detailed list of supported standards and symbologies.

Powered by a 3.0 m USB 2.0 cable, the LVS-9580 verifies barcode labels and direct part marks (DPM) located on a wide range of surfaces including corrugated cardboard boxes, shipping containers, plastics, composites, and metal surfaces.

- Validates printed barcodes to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Validates direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards
- Stitching feature to grade barcodes larger than the field of view
- Ideal for multiple line production and warehouse environments
- Software upgrade options include multi-sector for verification of multiple barcodes on a label
- 21 CFR Part 11 compliant-ready
- Supports 15 languages with the ability to add more
- Quality data reporting for auditing purposes
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 682403 | 9580-C-3 | LVS-9580 Handheld, 1D & 2D Barcode Verification | 7,125.00 | 4549734217293 |



LVS-9585 Handheld DPM Barcode Verifier

The LVS-9585 handheld DPM barcode verifier adds advanced lighting options and powerful software functionality. The new auto-find feature enables users to automatically find the DPM symbol within the verifier field of view, and cycle through the lighting settings to find the lighting type that works best with the specific DPM marking and material substrate. The LVS-9585 can test both DPM parts as well as printed labels to a broad variety of global application standards, and provides comprehensive quality analysis and reporting features.

- Verify a broad variety of direct part marks as well as 1D and 2D printed barcodes with a single model
- Software automatically selects best lighting performance from integrated red or white dome and 30° angle lighting
- Validates printed barcodes to ISO/IEC, ANSI, GS1, and UDI print quality standards
- Validates direct part marks (DPM) to ISO, MIL-STD-130, and GS1 standards
- Software options include multi-sector for verification of multiple barcodes and GS1 AI content check
- 21 CFR Part 11 compliant-ready
- Supports 15 languages with the ability to add more
- Export verification reports to Excel or SQL database
- Manage operator permissions using LVS-95XX software or using Microsoft Active Directory
- Includes NIST-Traceable Calibrated Conformance Standard Test Card for calibrating the system
- Optional adjustable mounting stand

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 682389 | 9585-DPM | LVS-9585 Handheld, 1D, 2D & DPM Dome and 30 degree lighting | 8,870.00 | 4549734217323 |

DVI Series

Cameras



DVI Output Color Camera

- Full HD 1080p
- 60 FPS
- Low Light Sensitivity
- Connectable to the monitor directly using HDMI connector enables observing system without PC.
- Enables a display of the crosshair and shadow masks by using the optional remote unit.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 681265 | STC-HD203DV | Area Scan Camera (cased type), DVI over HDMI, Full HD 1080p, Color, CMOS Sony IMX136, 1/2.8", 2.8 µm, 60 fps, Rolling Shutter, C Mount | 467.80 | 4549734199667 |
| 681245 | STC-HD203DV-B | Area Scan Camera (board type), DVI over HDMI, Full HD 1080p, Color, CMOS Sony IMX136, 1/2.8", 2.8 µm, 60 fps, Rolling Shutter, C Mount | 444.30 | 4549734202329 |
| 681357 | STC-HD93DV | DVI over HDMI Area Scan Camera, HD 720p, Color, CCD Sony ICX692AQ, 1/3", 4.08 µm, 60 fps, Global Shutter, C Mount, Cased | 439.30 | 4549734202336 |

Additional cameras

Cameras

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 681318 | STC-625PWC | Analog Area Scan Camera, 0.4 MP, PAL, CCD Sony ICX419AKL, 1/2", 8.3 x 8.6 µm, 2:1 Interlace, C Mount, Cased, 12 Pin Hirose Connector for Power, Video and External Synch | 411.10 | 4549734202565 |
| 681381 | STC-635PWJ | Analog Area Scan Camera, 0.4 MP, PAL, CCD Sony ICX639BKA, 1/3", 6.25 x 6.5 µm, 2:1 Interlace, CS Mount, Cased, Power Pin Jack | 307.40 | 4549734202619 |
| 681231 | STC-MC133USB | USB 2.0 Area Scan Camera, 1.3 MP, Color, CCD Sony ICX445AQ, 1/3", 3.75 µm, 22 fps, Global Shutter, C Mount, Cased | 321.30 | 4549734202855 |

Cables

QC&I Accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 682412 | 61-000160-03 | QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 1 m | 121.00 | 4549734217606 |
| 682064 | 61-000163-03 | QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 3 m | 126.00 | 4549734236775 |
| 682392 | 61-9000043-01 | Cable, DB15 to Bus Power USB, MicroHAWK-30 | 86.80 | 4549734217705 |
| 682150 | 61-9000118-01 | Cordset, Ethernet, M12 8-pin Plug to RJ45, High Flex, 5 m | 157.70 | 4549734237079 |
| 682128 | 61-9000133-01 | Cordset, M12 12-pin Socket to Flying Leads, High Flex, 5 m | 157.70 | 4549734237116 |

Illuminators

QC&I Accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 682169 | NER-011660400G | Smart Series DOAL, 25 mm, Red, M12 Connector | 586.50 | 4549734239899 |

Other QC&I accessories

QC&I Accessories

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 682321 | 97-000012-01 | Power Supply, 100 to 240 VAC, +24 VDC, M12 12-pin Socket | 184.20 | 4549734217750 |
| 682048 | 98-9000043-01 | Kit, Diffuser, MicroHAWK 30/40 | 100.00 | 4549734238014 |
| 682142 | 98-9000047-01 | Kit, 1/4-20 Camera Mount, MicroHAWK | 34.18 | 4549734238045 |
| 682318 | 98-9000054-01 | Kit, Mounting, APG, MS-4, MINI, MicroHAWK | 137.00 | 4549734218061 |
| 682024 | 98-9000129-01 | Kit, Polarizer, MicroHAWK 30/40, External | 166.10 | 4549734238182 |
| 682100 | 98-CAL010-01 | LVS Calibration Conformance Test Card, Datamatrix undated | 762.00 | 4549734224413 |
| 682332 | 98-CAL020-01 | LVS Calibration Conformance Test Card, 9570/9580/9510 EAN/UPC undated | 618.50 | 4549734217378 |
| 682146 | 98-CAL021-01 | Calibration Conformance Test Card, 128 undated | 618.50 | 4549734224468 |
| 682323 | 98-LV50077 | Validation IQ-OQ Guidelines for v.4.3 and later software (with 25 test cards) | 3,786.00 | 4549734217392 |
| 682334 | FIS-0001-0035G | Converter, IC-332, 24 V / 5 V, Opto I/O, for Use with IB-131 | 242.60 | 4549734218177 |



Emergency stop switch

The A165E line-up offers E-Stop switches with various head types. For flexible application, a wide range of accessories is provided. To set up easy installation and maintenance, various contact combinations are available.

- Direct opening mechanism with minimum contact separation of 3mm
- Safety lock mechanism prevents misuse
- Short mounting depth
- Modular construction; easy installation using snap-in switch

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 160649 | A165E-02 | DPST-NC contact block for A165E Emergency stop switch | 13.73 | 4536854344794 |
| 103317 | A165E-LS-24D-02 | Emergency stop switch, illuminated, 30mm dia, push-lock/turn-reset, DPST-NC, 24 VDC | 44.53 | 4536854344831 |
| 160653 | A165E-M-02 | Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, DPST-NC | 33.80 | 4536854344855 |
| 153220 | A165E-S | Emergency stop switch, non-illuminated, 30mm dia, push-lock / turn-reset | 5.61 | 4536854344770 |
| 142199 | A165E-S-01 | Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, SPST-NC | 30.41 | 4536854344862 |
| 142200 | A165E-S-02 | Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, DPST-NC | 36.41 | 4536854344879 |
| 103725 | A165E-S-03U | Emergency stop switch, non-illuminated, 30mm dia, push-lock/turn-reset, TPST-NC | 49.13 | 4536854479090 |

A22E/A22NE-P/A22NE-PD

Emergency stop pushbutton switches



Emergency stop switch

The A22E/A22NE-P/A22NE-PD line-up offers E-Stop switches with various head types. For flexible application, a wide range of accessories is provided. To set up easy installation and maintenance, various contact combinations are available.

Direct opening mechanism to open the circuit when the contact welds
With a latching mechanism to prevent operating errors
Lock lever for easily mounting and removing the unit
Use 25-dia. ring to install in 25-dia. panel cutouts.*
In a model equipped with Lock-lever-linked contact function, the improper installation of the switch unit can be detected. (A22NE-PD)

* Switches with an IP69K degree of protection do not support the 25-dia.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 141588 | A22EL-M | Emergency stop switch, illuminated, 40mm dia, push-lock/turn-reset, IP65 | 23.54 | 4536854349225 |
| 151036 | A22EL-M-24A-02 | Emergency stop switch, illuminated, 40 mm dia., push-lock/turn-reset, IP65 | 51.25 | 4536854349331 |
| 142271 | A22EL-M-24A-11 | Emergency stop switch, 24 VAC/DC illuminated, 40 mm dia., push-lock/turn-reset, SPST-NO + SPST-NC, IP65 | 48.08 | 4536854349348 |
| 153294 | A22E-M | Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, IP65 | 14.57 | 4536854349232 |
| 141595 | A22E-M-01 | Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC | 27.38 | 4536854349249 |
| 141596 | A22E-M-02 | Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC | 34.69 | 4536854349256 |
| 264239 | A22E-M-02B | Emergency stop switch, 24 VAC / VDC, 40 mm dia., push-lock / turn-reset, DPST-NC, within a control box | 79.15 | 4536854860263 |
| 148854 | A22E-M-11 | Emergency stop switch, screw terminal, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC + 1NO | 25.26 | 4536854349270 |
| 264240 | A22E-M-11B | Emergency stop switch, 24 VAC/DC, 40 mm dia., push-lock/turn-reset,SPST-NO + SPST-NC, within a control box | 78.10 | 4536854860270 |
| 141511 | A22E-S-02 | Emergency stop switch, non-illuminated, 30 mm dia., push-lock/turn-reset, 2 x SPST-N/C, IP65 | 27.38 | 4536854380433 |
| 680136 | A22NE-M-L | Emergency stop switch, illuminated, 40mm dia, push-lock/turn-reset, IP65 | 27.23 | 4549734184649 |
| 680134 | A22NE-M-N | Emergency stop switch, non-illuminated, 40mm dia, push-lock/turn-reset, IP65 | 19.29 | 4549734184588 |
| 679730 | A22NE-M-P002-C | Emergency stop switch, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, SPST-NC, Push-in | 57.90 | 4549734184885 |
| 679746 | A22NE-M-P002-N | Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC | 32.93 | 4549734184724 |
| 679806 | A22NE-M-P002-N-B | E-Stop, push-in, 1NC, 40-dia. head Medium Turn-reset. with integrated control box | 54.50 | 4549734185295 |
| 679748 | A22NE-M-P102-C | Emergency stop switch,Push-in, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, NO +NC | 62.40 | 4549734184892 |
| 679732 | A22NE-M-P102-N | Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 1NC+NO | 37.46 | 4549734184731 |
| 679808 | A22NE-M-P102-N-B | E-Stop, push-in, 1NC+1NO, 40-dia. head Medium Turn-reset. with integrated control box | 63.50 | 4549734185301 |
| 679722 | A22NE-M-P202-C | Emergency stop switch, Push-in, 24 VAC/DC illuminated, 40 mm dia, push-lock/turn-reset, 2NC | 62.40 | 4549734184908 |
| 679734 | A22NE-M-P202-N | Emergency stop switch, Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC | 37.46 | 4549734184748 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 679807 | A22NE-M-P202-N-B | E-Stop, push-in, 2NC, 40-dia. head Medium Turn-reset. with integrated control box | 62.40 | 4549734185318 |
| 679745 | A22NE-M-P212-N | Emergency stop switch,Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 2NC+NO | 43.11 | 4549734184755 |
| 679747 | A22NE-M-P222-N | Emergency stop switch,Push-In, non-illuminated, 40 mm dia, push-lock/turn-reset, 3NC | 43.11 | 4549734184762 |
| 680135 | A22NE-S-N | Emergency stop switch, non-illuminated, 30 mm dia., push-lock/turn-reset, IP65 | 20.42 | 4549734184571 |
| 679744 | A22NE-S-P002-N | Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, NC | 30.68 | 4549734184670 |
| 679743 | A22NE-S-P102-N | Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, NC+NO | 35.16 | 4549734184687 |
| 679727 | A22NE-S-P202-N | Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 2NC | 35.16 | 4549734184694 |
| 679737 | A22NE-S-P212-N | Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 2NC+NO | 40.83 | 4549734184700 |
| 679733 | A22NE-S-P222-N | Emergency stop switch, Push-In, non-illuminated, 30 mm dia, push-lock/turn-reset, 3NC | 40.83 | 4549734184717 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 679759 | A22NZ-H-02 | E-Stop, Push-in Mounting latch | 4.54 | 4549734144896 |
| 679751 | A22NZ-S-P1AN | E-stop Push-In contact block, SPST-NO, general-purpose load | 8.60 | 4549734144797 |
| 679760 | A22NZ-S-P2BN | E-stop Push-In contact block, DPST-NC, general-purpose load | 13.53 | 4549734144827 |
| 679758 | A22NZ-S-P2CN | E-stop Push-In contact block, SPST-NO + SPST-NC, general-purpose load | 13.60 | 4549734144834 |
| 679753 | A22NZ-T-BPN | Lighting unit. Push-In, 12 VAC/DC | 6.91 | 4549734144858 |
| 679756 | A22NZ-T-EPN | Lighting unit. Push-In, 200, 220, 230, 240 VAC | 8.21 | 4549734144889 |
| 224501 | A22Z-EG1 | E-stop shroud, EMERGENCY OFF legend included. | 32.13 | 4536854844058 |



Rope pull emergency stop switches

The ER1022 line-up offers a maximum rope span of up to 125m. A robust aluminium housing offers flexibility in installation and durability in use with rope exit to the left or to the right side.

- Optional E-Stop pushbutton
- Optional LED indicator beacon for minimum downtime
- Tension indicator for easy setup and maintenance
- Heavy duty housing for demanding applications
- Integrated reset pushbutton
- Vibration tolerant for reliable operation

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------------|--|-----------|---------------|
| 406333 | 44506-4010 ER5018-021M | Safety rope pull E-stop switch, up to 40m, 2NC + 1NO, M20 wiring entry (3x) | 117.50 | 4547648564427 |
| 406349 | 44506-4030 ER5018-030M | Safety rope pull E-stop switch, up to 40m, 3 NC, M20 wiring entry (3x) | 137.10 | 4547648581608 |
| 406335 | 44506-4110 ER5018-021ME | Safety rope pull E-stop switch, up to 40m, 2 NC + 1NO, M20 wiring entry (3x) | 160.10 | 4547648564687 |
| 406341 | 44506-5010 ER6022-021M | Safety rope pull E-stop switch, up to 80 m, contact 2 NC+1 NO, wiring 3 x M20 | 139.10 | 4547648565004 |
| 406358 | 44506-5110 ER6022-021ML | Safety rope pull E-stop switch, up to 80m, indicator beacon, contact 2 NC+1 NO, wiring 3 x M20 | 151.40 | 4547648582018 |
| 406340 | 44506-5410 ER6022-021MEL | Safety rope pull E-stop switch, up to 80m, E-stop, indicator beacon, contact 2 NC+1 NO, wiring 3 x M20 | 213.40 | 4547648565479 |
| 406347 | 44506-6410 ER1022-042MELL | Safety rope pull E-stop switch, up to 125m, 4NC + 2NO, M20 wiring entry (4x), 24 VDC indicator beacon, left-sided | 249.00 | 4547648579919 |
| 406334 | 44506-7410 ER1032-042MEL | Safety rope pull E-stop switch, up to 200 m, 4NC + 2NO, M20 wiring entry (4x), 24 VDC indicator beacon, both-sided | 361.90 | 4547648580694 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 406346 | 44506-2705 RK5 | Safety rope pull E-stop switch accessory, rope kit 5m | 63.25 | 4547648563192 |
| 406342 | 44506-2710 RK10 | Safety rope pull E-stop switch accessory, rope kit 10m | 70.70 | 4547648563420 |
| 406339 | 44506-2720 RK20 | Safety rope pull E-stop switch accessory, rope kit 20m | 85.85 | 4547648563987 |
| 406338 | 44506-2750 RK50 | Safety rope pull E-stop switch accessory, rope kit 50m | 127.90 | 4547648565387 |
| 406350 | 44506-3711 R100M | Safety rope pull E-stop switch accessory, rope only 100m | 126.60 | 4547648563888 |
| 406344 | 44506-4700 SM06-TG00 | Safety rope pull E-stop switch accessory, tensioner gripper, stainless steel | 53.55 | 4547648562751 |
| 406354 | 44506-4710 SM06-EB10 | Safety rope pull E-stop switch accessory, eye bolt stainless steel, 8 pack | 16.17 | 4547648561969 |
| 406357 | 44506-4730 SM06-TB30 | Safety rope pull E-stop switch accessory, rope pull switch turnbuckle, stainless steel | 13.46 | 4547648561822 |
| 406345 | 44506-4750 SM06-SP50 | Safety rope pull E-stop switch accessory, spring, stainless steel | 18.56 | 4547648561990 |
| 406356 | 44506-4770 SM06-THSS | Safety rope pull E-stop switch accessory, thimble stainless steel, 4 pack | 9.49 | 4547648561693 |
| 406343 | 44506-4780 SM06-RPSS | Safety rope pull E-stop switch accessory, rope pulley, stainless steel | 37.24 | 4547648562331 |



Limit switch with metal housing

The D4B-_N series of limit switches in a rugged metal housing is suitable for both safety and non-safety applications due to its direct opening mechanism and TÜV approval. Furthermore with the increased temperature range and enhanced mechanical switching lifetime, the D4B-_N is first choice for all applications from standard to demanding environments and for highest flexibility in mounting and connectivity preferences.

- Direct opening mechanism and approval by notified body
- Rugged metal housing and extended mechanical switching lifetime (snap action models)
- Terminal block for direct wiring

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 134568 | D4B-2111N | Limit switch, roller lever 17.5mm dia, SPDB NO/NC, snap action, 10 A | 31.72 | 4536853207151 |
| 134571 | D4B-2116N | Limit switch, adjustable roller lever, SPDB NO/NC, snap action, 10 A | 42.02 | 4536853207182 |
| 149173 | D4B-2171N | Limit switch, roller plunger, SPDB NO/NC, snap action, 10 A | 29.20 | 4536853207229 |
| 134688 | D4B-2A11N | Limit switch, roller lever, DPDB 2-NC, slow action, 10 A | 49.13 | 4536853205584 |
| 224504 | D4B-2A71N | Safety Limit switch, G1/2 conduit, DPDB 2-NC (slow-action), top roller plunger | 53.55 | 4536853205645 |
| 373424 | D4B-4111N | Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), roller lever (resin) | 32.48 | 4548583369528 |
| 370630 | D4B-4115N | Limit switch, roller lever, SPDB NO/NC, snap action, 10 A, M20 conduit | 44.11 | 4547648740999 |
| 373425 | D4B-4116N | Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), roller lever (stainless steel) | 34.51 | 4548583369481 |
| 373233 | D4B-4117N | Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), adjustable rod lever | 38.14 | 4548583369498 |
| 373246 | D4B-4170N | Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), top plunger | 33.09 | 4548583369504 |
| 373234 | D4B-4171N | Safety Limit switch, D4B, M20, 1NC/1NO (snap-action), top roller plunger | 33.70 | 4548583369511 |
| 134607 | D4B-4511N | Safety Limit switch, D4B, M20, 1NC/1NO (slow-action), roller lever (resin) | 37.38 | 4536854776601 |
| 158135 | D4B-4516N | Safety Limit switch, D4B, M20, 1NC/1NO (slow-action), adjustable roller lever | 42.50 | 4536854776618 |
| 134609 | D4B-4571N | Safety Limit switch, top roller plunger, 1NC/1NO (slow-action), M20 conduit | 42.25 | 4536854776632 |
| 103702 | D4B-4A11N | Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), roller lever (resin) | 44.05 | 4536854776649 |
| 134613 | D4B-4A17N | Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), adjustable rod lever | 47.91 | 4536854790966 |
| 153605 | D4B-4A70N | Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), top plunger | 44.11 | 4536854776663 |
| 134611 | D4B-4A71N | Safety Limit switch, D4B, M20, DPDB 2-NC (slow-action), top roller plunger | 46.63 | 4536854776670 |

Safety limit switch in slim size housing



The D4F-family is a slim-size line-up of safety limit switches. They are available with 2 or 4 built-in contacts. For easy set up, installation and maintenance, pre-wired versions with various cable length are provided.

- Slim-size housing
- Direct opening mechanism
- Roller or plunger actuators
- Pre-wired versions

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 150189 | D4F-102-1R | Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 1 m cable, horizontal cable exit | 74.95 | 4536854896101 |
| 134013 | D4F-102-3D | Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 3 m cable, vertical cable exit | 98.70 | 4536854896347 |
| 133924 | D4F-102-5D | Small Safety Limit Switch, 1NC/1NO slow-action, roller plunger, 5 m cable, vertical cable exit | 98.35 | 4536854896507 |
| 145878 | D4F-302-5R | Small Safety Limit Switch, 2NC/2NO slow-action, roller plunger, 5 m cable, horizontal cable exit | 129.70 | 4536854896446 |
| 149121 | D4F-320-5D | Small Safety Limit Switch, 2NC/2NO slow-action, roller lever, 5 m cable, vertical cable exit | 135.00 | 4536854896484 |



Safety door hinge switch

D4NH safety-door hinge switches are available with one or two built-in contacts, shaft or arm lever actuator and various conduit types, e.g. M20.

- Direct opening mechanism
- Shaft or arm lever actuator
- Wide temperature range
- Metric conduit and M12 connector types are available

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 170730 | D4NH-1AAS | Safety door-hinge switch, Shaft Actuator, PG 13.5 Conduit, 1NC/1NO (slow-action) | 43.58 | 4547648045322 |
| 170746 | D4NH-1BAS | Safety door-hinge switch, Shaft Actuator, PG 13.5 Conduit, 2NC (slow-action) | 43.92 | 4547648045483 |
| 170754 | D4NH-1BBC | Safety door-hinge switch, Arm lever actuator, PG 13.5 Conduit, 2NC (slow-action) | 44.23 | 4547648045568 |
| 170732 | D4NH-4AAS | Safety Limit switch, D4NH, M20 (1 conduit), 1NC/1NO (slow-action), shaft actuator | 43.58 | 4547648045346 |
| 170748 | D4NH-4BAS | Safety Limit switch, D4NH, M20 (1 conduit), 2NC (slow-action), shaft actuator | 42.91 | 4547648045506 |
| 170756 | D4NH-4BBC | Safety Limit switch, D4NH, M20 (1 conduit), 2NC (slow-action), arm lever actuator | 41.95 | 4547648045582 |
| 170765 | D4NH-4CAS | Safety Limit switch, D4NH, M20 (1 conduit), 2NC/1NO (slow-action), shaft actuator | 51.50 | 4547648045674 |

D4N-_R

Safety limit switch with manual reset

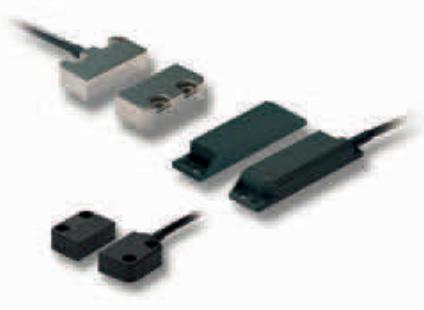


Safety limit switch with manual reset

The D4NR family is a complete line-up of safety-limit switches with manual reset. They are available with one, two or three built-in contacts and a wide range of actuator types. To set up easy installation and maintenance, various conduit types, e.g. M20 and M12 connector types, are provided.

- Direct opening mechanism
- Various actuators
- Pull-reset switches
- Gold-plated contacts for handling micro loads
- Metric conduit types available

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 170873 | D4N-1A2GR | Limit switch, Adjustable roller lever, form lock (metal lever, resin roller), 1NC/1NO (slow-action), 1NC/1NO (slow-action), Pg13.5 (1-conduit), manual reset feature | 27.11 | 4547648039482 |
| 170892 | D4N-2B20R | Limit switch, Roller lever (resin lever, resin roller), 2NC (slow-action), 2NC (slow-action), G1/2 (1-conduit), manual reset feature | 25.65 | 4547648039673 |
| 170831 | D4N-4A20R | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), roller lever (resin lever, resin roller),, manual reset feature | 21.26 | 4547648039062 |
| 170840 | D4N-4A31R | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top plunger,, manual reset feature | 21.26 | 4547648039154 |
| 170849 | D4N-4A32R | Safety Limit switch, D4N, M20 (1 conduit), 1NC/1NO (slow-action), top roller plunger,, manual reset feature | 23.70 | 4547648039246 |

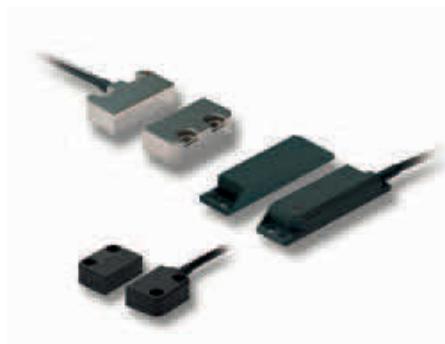


Hall coded non-contact for monitoring the status of guarding doors

Hall coded non-contact switches monitor the status of guarding doors. Stainless steel housing for high hygiene demands in the food industry are available.

- Based on hall technology
- Connect up to 20 switches in series
- LED supports easy diagnosis
- Operates with all our safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes due IP69K (pre-wired types)
- Conforms to safety categories up to PLd acc. EN ISO13849-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 387870 | F3S-TGR-NBPC-21-05 | Non-contact door switch, coded, barrel plastic M30, 2NC+1NO, 5m cable | 94.60 | 4547648976817 |
| 387872 | F3S-TGR-NBPC-21-M1J8 | Non-contact door switch, coded, barrel plastic M30, 2NC+1NO, M12 connector pigtail | 109.70 | 4547648976831 |
| 387867 | F3S-TGR-NLMC-21-05 | Non-contact door switch, coded, elongated stainless steel, 2NC+1NO, 5m cable | 162.70 | 4547648976787 |
| 231368 | F3S-TGR-NLPC-20-02 | Non-contact door switch, coded, elongated sensor 2 m, plastic, 2 NC contacts | 72.95 | 4536853906177 |
| 231369 | F3S-TGR-NLPC-20-05 | Non-contact door switch, coded, elongated sensor 5m, plastic, 2 NC contacts | 75.20 | 4536853906184 |
| 231370 | F3S-TGR-NLPC-20-10 | Non-contact door switch, coded, elongated sensor 10 m, plastic, 2 NC contacts | 96.95 | 4536853906191 |
| 231371 | F3S-TGR-NLPC-20-M1J8 | Non-contact door switch, coded, elongated sensor M12 connector, plastic, 2 NC contacts | 92.20 | 4536853906160 |
| 231372 | F3S-TGR-NLPC-21-02 | Non-contact door switch, coded, elongated sensor 2m, plastic, 2 NC+1 NO contacts | 79.50 | 4536853906214 |
| 231373 | F3S-TGR-NLPC-21-05 | Non-contact door switch, coded, elongated sensor plastic, 2 NC+1 NO, 5m cable | 81.70 | 4536853906221 |
| 231374 | F3S-TGR-NLPC-21-10 | Non-contact door switch, coded, elongated sensor, plastic, 2 NC+1 NO contacts, 10m cable | 103.30 | 4536853906238 |
| 231375 | F3S-TGR-NLPC-21-M1J8 | Non-contact door switch, coded, elongated sensor, plastic, 2 NC+1 NO contacts, M12 connector pigtail | 106.00 | 4536853906207 |
| 252057 | F3S-TGR-NMPC-20-05 | Non-contact door switch, miniature, coded, 5m, plastic, 2 NC contacts | 78.60 | 4547648861311 |
| 252059 | F3S-TGR-NMPC-20-M1J8 | Non-contact door switch, miniature, coded, M12 connector, plastic, 2 NC contacts | 93.55 | 4547648861298 |
| 252060 | F3S-TGR-NMPC-21-02 | Non-contact door switch, miniature, coded, 2m, plastic, 2 NC+1 NO contacts | 76.70 | 4547648861342 |
| 252061 | F3S-TGR-NMPC-21-05 | Non-contact door switch, coded, miniature plastic, 2NC+1NO, 5m cable | 91.25 | 4547648861359 |
| 252062 | F3S-TGR-NMPC-21-10 | Non-contact door switch, coded, miniature plastic, 2NC+1NO, 10m cable | 106.10 | 4547648861366 |
| 252063 | F3S-TGR-NMPC-21-M1J8 | Non-contact door switch, miniature, coded, M12 connector, plastic, 2 NC+1 NO contacts | 110.30 | 4547648861335 |
| 231377 | F3S-TGR-NSMC-20-05 | Non-contact door switch, coded, small sensor 5m, stainless steel, 2 NC contacts | 148.60 | 4536853906344 |
| 231380 | F3S-TGR-NSMC-21-02 | Non-contact door switch, coded, small sensor 2m, stainless steel, 2 NC+1 NO contacts | 151.90 | 4536853906375 |
| 231381 | F3S-TGR-NSMC-21-05 | Non-contact door switch, coded, small stainless steel, 2NC+1NO, 5m cable | 161.70 | 4536853906382 |
| 231382 | F3S-TGR-NSMC-21-10 | Non-contact door switch, coded, small stainless steel, 2NC+1NO, 10m cable | 174.20 | 4536853906399 |
| 231383 | F3S-TGR-NSMC-21-M1J8 | Non-contact door switch, coded, small stainless steel, 2NC+1NO, M12 connector pigtail | 181.30 | 4536853906368 |
| 330850 | F3S-TGR-NSPC-21-05 | Non-contact door switch, coded, small plastic, 2NC+1NO, 5m cable | 82.30 | 4547648882897 |
| 330852 | F3S-TGR-NSPC-21-M1J8 | Non-contact door switch, coded, small plastic, 2NC+1NO, M12 connector pigtail | 111.30 | 4547648882910 |

Reed-type non contact door switch

Reed non-contact switches monitor the status of guarding doors. Stainless steel housing for high hygiene demands in the food industry are available.

- Based on reed technology
- Connect up to 6 switches in series
- Operates with all Omron safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes due IP69K (pre-wired types)
- Conforms to safety categories up to PL acc. EN ISO13849-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------------|---|-----------|---------------|
| 330853 | F3S-TGR-NCPR-21-05 | Non-contact door switch, reed, compact sensor 5 m, plastic, 2NC+1NO contacts (D40B size equivalent) | 120.90 | 4547648882927 |
| 387898 | F3S-TGR-NLMR-21-05 | Non-contact door switch, reed, elongated stainless steel, 2NC+1NO, 5m cable | 199.10 | 4547648977098 |
| 231385 | F3S-TGR-NLPR-20-05 | Non-contact door switch, reed, elongated sensor 5m, plastic, 2NC contacts | 113.20 | 4536853906269 |
| 231389 | F3S-TGR-NLPR-21-05 | Non-contact door switch, reed, elongated sensor plastic, 2 NC+1 NO, 5m cable | 119.10 | 4536853906306 |
| 231390 | F3S-TGR-NLPR-21-10 | Non-contact door switch, reed, elongated sensor, plastic, 2 NC+1 NO contacts, 10m cable | 134.20 | 4536853906313 |
| 231391 | F3S-TGR-NLPR-21-M1J8 | Non-contact door switch, reed, elongated sensor, plastic, 2 NC+1 NO contacts, M12 connector pigtail | 137.40 | 4536853906283 |
| 387891 | F3S-TGR-NMHR-21-05 | Non-contact door switch, reed, miniature stainless steel hygienic design, 2NC+1NO, 5m cable | 156.30 | 4547648977029 |
| 252048 | F3S-TGR-NMPR-20-05 | Non-contact door switch, reed, miniature plastic, 2NC, 5m cables | 82.30 | 4547648861397 |
| 387885 | F3S-TGR-NMPR-20-08-L10 | Non-contact door switch, reed, miniature plastic, 2NC, M8 connector left side | 99.55 | 4547648976961 |
| 295581 | F3S-TGR-NMPR-20-M8-WN | Non-contact door switch, reed, miniature plastic, 2NC, M8 connector | 47.11 | 4547648868273 |
| 252051 | F3S-TGR-NMPR-21-02 | Non-contact door switch, Miniature, reed, 2m, plastic, 2NC+1NO contacts | 83.90 | 4547648861427 |
| 252052 | F3S-TGR-NMPR-21-05 | Non-contact door switch, Miniature, reed, 5m, plastic, 2NC+1NO contacts | 91.25 | 4547648861434 |
| 252053 | F3S-TGR-NMPR-21-10 | Non-contact door switch, Miniature, reed, 10m, plastic, 2NC+1NO contacts | 106.10 | 4547648861441 |
| 252054 | F3S-TGR-NMPR-21-M1J8 | Non-contact door switch, Miniature, reed, M12 connector, plastic, 2NC+1NO contacts | 110.30 | 4547648861410 |
| 231392 | F3S-TGR-NSMR-20-02 | Non-contact door switch, reed, small sensor 2m, stainless steel, 2NC contacts | 169.60 | 4536853906412 |
| 231393 | F3S-TGR-NSMR-20-05 | Non-contact door switch, reed, small sensor 5m, stainless steel, 2NC contacts | 174.00 | 4536853906429 |
| 231396 | F3S-TGR-NSMR-21-02 | Non-contact door switch, reed, small sensor 2 m, stainless steel, 2NC+1NO contacts | 171.90 | 4536853906450 |
| 231397 | F3S-TGR-NSMR-21-05 | Non-contact door switch, reed, small stainless steel, 2NC+1NO, 5m cable | 176.60 | 4536853906467 |
| 231398 | F3S-TGR-NSMR-21-10 | Non-contact door switch, reed, small stainless steel, 2NC+1NO, 10 m cable | 180.90 | 4536853906474 |
| 231399 | F3S-TGR-NSMR-21-M1J8 | Non-contact door switch, reed, small stainless steel, 2NC+1NO, M12 connector pigtail | 190.70 | 4536853906443 |
| 330847 | F3S-TGR-NSPR-21-05 | Non-contact door switch, reed, small plastic, 2NC+1NO, 5m cable | 127.60 | 4547648882866 |
| 330848 | F3S-TGR-NSPR-21-10 | Non-contact door switch, reed, small plastic, 2NC+1NO, 10m cable | 135.10 | 4547648882873 |



RFID non-contact door switch

RFID Non-contact switches are designed to monitor hinge, sliding or removal guard doors.

- Based on RFID technology (code) and hall technology (distance check)
- The RFID-design covers two operation models with very high anti-tamper level: M-types (Master coded): Any sensor works with any actuator, like traditional switches
- U-types (Unique coded): Each sensor and actuator use a unique code. This is a solution for applications that requires even a higher anti-tamper level
- Connect up to 20 switches in series
- LED supports easy diagnosis
- Compensation of mechanical tolerances
- Non-contact – no abrasion – no particles
- Operates with all OMRON safety controllers
- Suitable for CIP/SIP processes and high pressure cleaning due IP69K (pre-wired types)
- Conforms to safety categories up to PLe acc. EN ISO 13849-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 387923 | F3S-TGR-NLPM-21-05 | Non-contact door switch, RFID master coded, elongated plastic, 2NC+1NO, 5m cable | 113.00 | 4547648977340 |
| 387924 | F3S-TGR-NLPM-21-10 | Non-contact door switch, RFID master coded, elongated plastic, 2NC+1NO, 10m cable | 125.60 | 4547648977357 |
| 378257 | F3S-TGR-NLPM-21-M1J8 | Safety Non-contact Doorswitch, RFID master coded, elongated plastic housing, 2NC/1NO, M12 8pin | 127.40 | 4547648965590 |
| 387921 | F3S-TGR-NLPU-21-05 | Non-contact door switch, RFID unique coded, elongated plastic, 2NC+1NO, 5m cable | 113.00 | 4547648977326 |
| 378256 | F3S-TGR-NLPU-21-M1J8 | Safety Non-contact Doorswitch, RFID unique coded, elongated plastic housing, 2NC/1NO, M12 connector pigtail | 128.80 | 4547648965583 |
| 387919 | F3S-TGR-NSPM-21-05 | Non-contact door switch, RFID master coded, small plastic, 2NC+1NO, 5m cable | 129.40 | 4547648977302 |
| 383763 | F3S-TGR-NSPM-21-M1J8 | Non-contact door switch, small, RFID master code, M12 pigtail connector, 2NC+1NO contacts | 136.00 | 4547648974042 |
| 387916 | F3S-TGR-NSPU-21-05 | Non-contact door switch, RFID unique coded, small plastic, 2NC+1NO, 5m cable | 129.40 | 4547648977272 |
| 387918 | F3S-TGR-NSPU-21-M1J8 | Non-contact door switch, RFID unique coded, small plastic, 2NC+1NO, M12 connector pigtail | 146.00 | 4547648977296 |



Explosion proof non-contact switches

Explosion proof reed non-contact switches monitor the status of guarding doors in petrochemical and food applications with explosive atmospheres.

- Based on reed technology
- Connect up to 6 switches in series
- Operates with all Omron safety controllers
- Operates behind stainless steel fittings
- Non-contact – no abrasion – no particles
- Compensation of mechanical tolerances
- Suitable for high pressure cleaning, CIP/SIP processes
- Conforms to safety categories up to PLe acc. EN ISO13849-1
- For use in hazardous areas IECEx and ATEX EExd IIC T6 (Gas and Dust). Designed for Petro-chemical and food applications where explosive atmospheres are present.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 387942 | F3S-TGR-NLNX-21-10 | Non-contact door switch, ex zone, reed, elongated stainless steel, 2NC+1NO, 10m cable | 325.70 | 4547648977531 |

Electronic non-contact door monitoring system

Best-in-class reliability in applications with slow operating doors and connectivity for up to 30 D40A non-contact switches to one G9SX-NS control unit provides flexibility in application.

- Stable operation reduces controller errors caused by unstable doors
- Connect up to 30 non-contact door switches with LED to one controller
- Reversible switch provides flexibility in installation
- Two colour LED indicator for easy maintenance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 355125 | D40A-1C015-F | Non-contact door switches, Pigtail with M12 connector 4-pole | 124.60 | 4547648839068 |
| 353674 | D40A-1C2 | Non-contact door switches, 2m cable | 130.10 | 4547648839044 |
| 353675 | D40A-1C5 | Non-contact door switches, 5m cable | 124.90 | 4547648839051 |
| 356424 | D40Z-1C2 | Non-contact door switch, compact sensor, LED indicator, 1NO aux, requires G9SX-NS or G9SP controller for Category 4/PLe, 2 m | 219.70 | 4547648833752 |
| 356425 | D40Z-1C5 | Non-contact door switch, compact sensor, LED indicator, 1NO aux, requires G9SX-NS or G9SP controller for Category 4/PLe, 5 m | 230.50 | 4547648833677 |
| 356438 | D40Z-1C-A | Safety non-contact door switch, Cat 4/PLe, actuator only | 86.65 | 4547648833684 |



Compact non-contact door switch/flexible safety unit

RFID magnetic locking safety switches Magnetic latching combines with RFID technology to deliver high holding force and tamper resistance.

- RFID provides a high degree of tamper resistance
- Hygienic design – stainless steel versions are rated IP69K
- LEDs support easy fault diagnosis
- Install up to 20 switches in series
- Basic and Unique actuator types with type 4 coding
- Two switch sizes with multiple holding force options
- Three case materials Plastic, diecast metal, 316 stainless steel
- Up to PLe based on ISO 13849-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 669735 | D40ML-P2-B-5M | RFID Magnetic Locking Safety Switch, Plastic, 900N, Basic Actuator Code, 5m Cable | 359.60 | 4548583968066 |
| 669708 | D40ML-P2-B-M12 | RFID Magnetic Locking Safety Switch, Plastic, 900N, Basic Actuator Code, Pigtail w/M12 Connector | 379.50 | 4548583967793 |
| 669709 | D40ML-P2-U-M12 | RFID Magnetic Locking Safety Switch, Plastic, 900N, Unique Actuator Code, Pigtail w/M12 Connector | 379.50 | 4548583967809 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 670948 | D40ML-CBL-M12-10M | Quick Disconnect Cable, 8-pin M12 to Flying Leads, PVC Jacket, 10 Meter Length | 55.60 | 4548583973756 |
| 670947 | D40ML-CBL-M12-5M | Quick Disconnect Cable, 8-pin M12 to Flying Leads, PVC Jacket, 5 Meter Length | 46.29 | 4548583973749 |

Key-operated door switch in plastic housing



The D4NS line-up includes three-contact models with 2NC/1NC and 3NC contact forms in addition to the previous contact forms, 1NC/1NO and 2NC. Models with M12 connectors and conduit opening, such as M20, are also available.

- Line-up with three contacts: 2NC/1NC and 3NC contact forms
- Line-up with two contacts 1NC/1NO and 2NC
- M12 connector types available
- Standardised gold-clad contacts for high contact reliability
- Applicable for standard loads and micro loads

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 163395 | D4NS-1AF | Safety interlock switch, 1NC/1NO, 10 A, single PG 13.5 conduit | 24.94 | 4536854963629 |
| 163393 | D4NS-1BF | Safety interlock switch, 2 NC, 10 A, 1 x PG13.5 conduit | 24.94 | 4536854963674 |
| 162281 | D4NS-1CF | Safety interlock switch, 2NC+1NO, 10 A, single PG 13.5 conduit | 23.12 | 4536854963728 |
| 100324 | D4NS-1DF | Safety interlock switch, 3NC, 10 A, single PG 13.5 conduit | 23.48 | 4536854963766 |
| 163779 | D4NS-2AF | Safety interlock switch, 1NC/1NO, 10 A, single G1/2 conduit | 21.62 | 4536854963636 |
| 163692 | D4NS-2BF | Safety interlock switch, 2NC, 10 A, single G1/2 conduit | 24.57 | 4536854963681 |
| 162586 | D4NS-2CF | Safety interlock switch, 2NC/1NO, 10 A, single G1/2 conduit | 24.94 | 4536854963735 |
| 162290 | D4NS-2DF | Safety interlock switch, 3NC, 10 A, single G1/2 conduit | 23.12 | 4536854963773 |
| 162578 | D4NS-4AF | Safety-door switch, D4NS, M20 (1-conduit), 1NC/1NO (slow-action) | 20.55 | 4536854963667 |
| 163778 | D4NS-4BF | Safety interlock switch, M20 (1-conduit), 2NC (slow-action) | 20.55 | 4536854963704 |
| 163875 | D4NS-4CF | Safety-door switch, D4NS, M20 (1-conduit), 2NC/1NO (slow-action) | 23.87 | 4536854963759 |
| 163560 | D4NS-4DF | Safety-door switch, D4NS, M20 (1-conduit), 3NC (slow-action) | 23.87 | 4536854963797 |
| 163876 | D4NS-4FF | Safety-door switch, D4NS, M20 (1-conduit), 2NC/1NO (MBB contact) | 25.66 | 4536854963872 |
| 163563 | D4NS-5AF | Safety-door switch, PG13.5 (2-conduit), 1NC/NO (slow-action) | 26.26 | 4536854963889 |
| 162295 | D4NS-5BF | Safety interlock switch, PG13.5 (2-conduit), 2NC (slow-action) | 28.65 | 4536854963919 |
| 163693 | D4NS-8BF | Safety interlock switch, 2 NC, 10 A, 2 x M20 conduit | 26.19 | 4536854963957 |
| 100390 | D4NS-8CF | Safety interlock switch, 2 NC+1 NO, 10 A, 2 x M20 conduit | 28.48 | 4536854963995 |
| 163192 | D4NS-9AF | Safety interlock switch, 1 NC/1 NO, 10 A, M12 connector | 50.90 | 4536854964121 |
| 163874 | D4NS-9BF | Safety interlock switch, 2 NC, 10 A, M12 connector | 50.90 | 4536854964138 |
| 227639 | D4NS-SK30 | Slide key with protective cover, for D4NS 1-conduit type, includes D4DS-K2 | 471.80 | 4547648183109 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 104525 | D4DS-K1 | Guard lock safety-door switch accessory, D4NL/DS, operation key: horizontal mounting | 3.01 | 4536853219956 |
| 134023 | D4DS-K2 | Guard lock safety-door switch accessory, D4NL/DS, operation key: vertical mounting | 3.01 | 4536853219963 |
| 150258 | D4DS-K3 | Guard lock safety-door switch accessory, D4NL/DS, operation key: adjustable mounting (horizontal) | 10.63 | 4536853219970 |
| 152522 | D4DS-K5 | Guard lock safety-door switch accessory, D4NL/DS, operation key: adjustable mounting (horizontal/vertical) | 16.89 | 4536854383878 |

Key-operated door switch in slim housing



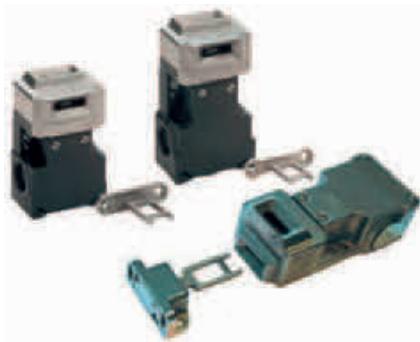
The D4GS line-up includes two- and three-contact models with various contact configurations. D4GS safety-door switches have a cable connection with a length of 1m, 3m or 5m.

- Slim housing only 17mm wide
- Line up with up to three contacts: 1NC/1NO, 2NC, 2NC/1NO and 3NC
- Reversible design allows front or rear mounting
- Key operation hole with rubber mounting to absorb vibration and shock

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 133907 | D4GS-N1R | Safety door switch, IP67, 1NC/1NO (slow-action), horizontal key insertion, 1m cable | 60.35 | 4536854687976 |
| 133910 | D4GS-N2R | Safety door switch, IP67, 2NC (slow-action), horizontal key insertion, 1m cable | 62.15 | 4536854688034 |
| 133916 | D4GS-N3R | Safety door switch, IP67, 2NC/1NO (slow-action), horizontal key insertion, 1 m cable | 67.10 | 4536854688171 |
| 133923 | D4GS-NK1 | Operation Key, horizontal mounting | 7.33 | 4536854688300 |
| 133828 | D4GS-NK2 | Operation Key, vertical mounting | 7.73 | 4536854688317 |
| 133829 | D4GS-NK4 | Operation Key, adjustable | 19.46 | 4536854688324 |

F3S-TGR-KM15 /-KM16 /-KH16

Safety door switches



Safety door switches with stainless steel head or full stainless steel body

This safety door switches use a stainless steel head or even a full stainless steel body to increase the robustness.

- 2NC/1NO or 3NC contacts
- Key entry turnable to back side
- 4 key insertion positions
- 3 M20 conduit entries
- Positive break contacts (to IEC 60947-5-1)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 419025 | F39-TGR-KAM | Key for safety key switch with metal head | 5.65 | 4547648999700 |
| 419029 | F39-TGR-KHFH | Key for safety key switch, flexible with hygienic stainless steel body | 40.24 | 4547648999748 |
| 419032 | F3S-TGR-KM15-21 | Safety key switch, plastic body with stainless steel head, M20, 2NC/1NO | 59.50 | 4547648999779 |



Key-operated door switch in metal housing

The D4BS line-up includes two-contact models with 1NC/1NO and 2NC in a robust metal housing. 1 or 3 conduit openings, such as M20 or PG13.5 are available.

- Robust metal housing
- Line-up with two contacts: 1NC/1NO and 2NC
- Standardised gold-clad contacts for high contact reliability
- Applicable for standard loads and micro loads

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 134578 | D4BS-15FS | Safety-door switch, D4BS, PG13.5 (1 conduit), 1NC/1NO (slow-action) | 40.16 | 4536853207366 |
| 134589 | D4BS-1AFS | Safety-door switch, D4BS, PG13.5 (1 conduit), 2NC (slow-action) | 42.94 | 4536853207564 |
| 134579 | D4BS-25FS | Limit switch | 40.83 | 4536853207373 |
| 134590 | D4BS-2AFS | Safety interlock switch, DPDB 2-NC, 10 A | 51.20 | 4536853207571 |
| 147019 | D4BS-45FS | Limit switch | 42.27 | 4536854776724 |
| 148098 | D4BS-4AFS | Safety interlock switch, DPDB 2-NC, 10 A | 45.07 | 4536854776731 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 134587 | D4BS-K1 | Safety-door switch accessory, D4BS, operation key: horizontal mounting | 5.43 | 4536853207533 |
| 134588 | D4BS-K2 | Safety-door switch accessory, D4BS, operation key: vertical mounting | 6.21 | 4536853207540 |
| 148097 | D4BS-K3 | Safety-door switch accessory, D4BS, operation key: horizontal mounting | 19.62 | 4536853207557 |

Additional safety door switches

Safety door switches

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 134702 | D4BL-1CRA | Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO+1NC, 10 A | 280.90 | 4536853204372 |
| 158134 | D4BL-1CRA-A | Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO+1NC, 10 A | 338.00 | 4536853204365 |
| 134710 | D4BL-1DRA-A | Safety door-lock switch, mechanical lock, 24 VDC, 2 NC/1 NO+1 NC, 10 A | 376.70 | 4536853204525 |
| 134708 | D4BL-2CRA | Safety door-lock switch, mechanical lock, 24 VDC, 1NC+1NC/1NO+1NC, 10 A | 276.80 | 4536853204433 |
| 134711 | D4BL-2DRA | Safety door-lock switch, mechanical lock, 24 VDC, 2NC/1NO+1NC, 10 A | 325.30 | 4536853204556 |
| 134724 | D4BL-2DRG | Limit switch | 302.10 | 4536854404221 |
| 670949 | D4JL-2NFA-D5 | Door switch with mechanical lock, Solenoid release, with orange indicator, (2NC/1NO+2NC/1NO). | 215.10 | 4547648174909 |
| 265608 | D4JL-4NFA-C6 | Guard lock safety door-switch, M20, 2NC/1NO + 2NC/1NO, plastic, mechanical lock/24 VDC solenoid release, 24 VDC green LED indicator, special release key + rear release button | 208.80 | 4547648175241 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 134705 | D4BL-K1 | Slide operation key for D4BL switch, horizontal mounting | 7.86 | 4536853204402 |
| 134706 | D4BL-K2 | Slide operation key for D4BL switch, vertical mounting | 10.92 | 4536853204419 |
| 134707 | D4BL-K3 | Hinge operation key for D4BL switch, vertical mounting (horiz. adjust.) | 20.27 | 4536853204426 |

Guard-locking door switch in plastic housing



The D4NL guard-lock safety door switches are available with four or five built-in contacts. When locked, they have a key holding force of up to 1300N. Mechanical lock/solenoid release types and vice versa set up the complete range in combination with various conduit types, e.g. M20.

- Safety door switch with electromagnetic lock or unlock mechanism
- Models with four or five built-in contacts
- Strong key holding force: 1300N
- For standard loads and micro loads
- Keys are compatible with D4GL and D4NS

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 133792 | D4NL-1AFA-B | Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 1NC/1NO, 10 A, PG 13.5 entry | 146.30 | 4536854898341 |
| 154667 | D4NL-1AFG-B | Safety door-lock switch, solenoid lock, 24 VDC, 1NC/1NO + 1NC/1NO, 10 A, PG 13.5 entry | 151.70 | 4536854898587 |
| 133797 | D4NL-1CFA-B | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 1NC/1NO, 10 A, PG 13.5 entry | 145.20 | 4536854898402 |
| 133813 | D4NL-1CFG-B | Safety door-lock switch, solenoid lock, 24 VDC, 2NC + 1NC/1NO, 10 A, PG 13.5 entry | 144.60 | 4536854898648 |
| 144779 | D4NL-1DFA-B | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, 10 A, PG 13.5 entry | 152.00 | 4536854898433 |
| 228865 | D4NL-1DFA-BS | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, PG13.5 entry, Front key release | 149.90 | 4536854903212 |
| 133802 | D4NL-1EFA-B | Safety door-lock switch, PG13.5 entry, 2NC/1NO + 1NC/1NO, mechanical lock, 24 VDC | 144.60 | 4536854898464 |
| 133732 | D4NL-2AFA-B4 | Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 1NC/1NO, G1/2 entry | 148.20 | 4536854898839 |
| 133795 | D4NL-2BFA-B | Safety door-lock switch, mechanical lock, 24 VDC, 1NC/1NO + 2NC, G1/2 entry | 146.60 | 4536854898389 |
| 133800 | D4NL-2DFA-B | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, 10 A, G1/2 entry | 139.80 | 4536854898440 |
| 145868 | D4NL-2DFA-B4 | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, G1/2 entry | 152.00 | 4536854898921 |
| 133817 | D4NL-2DFG-B | Safety door-lock switch, mechanical lock, 24 VDC, 2NC + 2NC, G1/2 entry | 132.10 | 4536854898686 |
| 133805 | D4NL-2FFA-B | Safety door-lock switch, G1/2 entry, 3NC + 2NC, mechanical lock, 24 VDC | 166.70 | 4536854898501 |
| 353628 | D4NL-2FFA-B4S | Safety door-lock switch, G1/2 entry, 2NC/1NO + 2NC, mechanical lock, 24 VDC, Front key release | 166.70 | 4547648621021 |
| 133822 | D4NL-2FFG-B | Safety door-lock switch, G1/2 entry, 2NC/1NO + 2NC, 24 VDC solenoid lock / mechanical release | 161.80 | 4536854898747 |
| 155468 | D4NL-2HFG-B | Safety door-lock switch, G1/2 entry, 3NC + 2NC, solenoid lock, 24 VDC | 155.40 | 4536854898808 |
| 133793 | D4NL-4AFA-B | Guard lock safety-door switch, D4NL, M20, 1NC/1NO + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 148.60 | 4536854898365 |
| 133810 | D4NL-4AFG-B | Guard lock safety-door switch, D4NL, M20, 1NC/1NO + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 149.90 | 4536854898600 |
| 133799 | D4NL-4CFA-B | Guard lock safety-door switch, D4NL, M20, 2NC + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 146.60 | 4536854898426 |
| 133815 | D4NL-4CFG-B | Guard lock safety-door switch, D4NL, M20, 2NC + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 149.90 | 4536854898662 |
| 133801 | D4NL-4DFA-B | Guard lock safety-door switch, D4NL, M20, 2NC + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 150.60 | 4536854898457 |
| 151293 | D4NL-4DFG-B | Guard lock safety-door switch, D4NL, M20, 2NC + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 150.60 | 4536854898693 |
| 133803 | D4NL-4EFA-B | Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 155.10 | 4536854898488 |
| 133820 | D4NL-4EFG-B | Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 1NC/1NO (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 155.10 | 4536854898723 |
| 142528 | D4NL-4FFA-B | Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 155.40 | 4536854898518 |
| 133823 | D4NL-4FFG-B | Guard lock safety-door switch, D4NL, M20, 2NC/1NO + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 155.40 | 4536854898754 |
| 133806 | D4NL-4GFA-B | Guard lock safety-door switch, D4NL, M20, 3NC + 1NC/1NO (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 155.40 | 4536854898549 |
| 133809 | D4NL-4HFA-B | Guard lock safety-door switch, D4NL, M20, 3NC + 2NC (slow-action), head: plastic, mechanical lock/24-VDC solenoid release, 10 to 115 VAC/VDC LED indicator | 155.40 | 4536854898570 |
| 133827 | D4NL-4HFG-B | Guard lock safety-door switch, D4NL, M20, 3NC + 2NC (slow-action), head: plastic, 24-VDC solenoid lock/mechanical release, 10 to 115 VAC/VDC LED indicator | 155.40 | 4536854898815 |

Guard-lock safety door switch



The D4SL-N guard-lock provides a wide range of models for the safe monitoring of entries and positions of guards.

- Key holding force 1,300 N
- 4, 5 and 6 contact types
- Terminal block types and connector types
- Drive solenoid directly from the controller
- Turning key insertion point without detaching head

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 669102 | D4SL-N2NFA-D | Guard lock safety door switch, G1/2 conduit, 2NC/1NO+2NC/1NO, metal: resin, Mechanical lock/24VDC solenoid release, LED indicator | 198.10 | 4548583316171 |
| 372876 | D4SL-N2NFG-DN | Guard lock safety door switch, G1/2 conduit, 2NC/1NO+2NC/1NO, resin head, solenoid lock, connector | 161.50 | 4548583316225 |
| 367767 | D4SL-N4AFA | Guard lock safety-door switch, D4SL-N, M20, 1NC/1NO + 1NC/1NO, head: resin, mechanical lock/24VDC solenoid release | 161.50 | 4548583315051 |
| 382531 | D4SL-N4AFA-N | Guard lock safety-door switch, M20, 1NC/1NO + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, connector | 174.50 | 4548583315068 |
| 374819 | D4SL-N4AFG | Guard lock safety-door switch, D4SL-N, M20, 1NC/1NO + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release | 168.90 | 4548583315075 |
| 382548 | D4SL-N4CFA | Guard lock safety-door switch, D4SL-N, M20, 2NC + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release | 132.10 | 4548583315136 |
| 377986 | D4SL-N4CFG | Guard lock safety-door switch, D4SL-N, M20, 2NC + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release | 163.50 | 4548583315150 |
| 382551 | D4SL-N4DFA | Guard lock safety-door switch, D4SL-N, M20, 2NC + 2NC, head: resin, Mechanical lock/24VDC solenoid release | 134.10 | 4548583315174 |
| 377987 | D4SL-N4DFG | Guard lock safety-door switch, D4SL-N, M20, 2NC + 2NC, head: resin, 24VDC solenoid lock/mechanical release | 163.50 | 4548583315198 |
| 382663 | D4SL-N4EFA-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator | 132.10 | 4548583315853 |
| 382555 | D4SL-N4EFG-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 1NC/1NO, head: resin, 24VDC solenoid lock/mechanical release, LED indicator | 139.40 | 4548583315891 |
| 382664 | D4SL-N4FFA-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC, head: resin, Mechanical lock/24VDC solenoid release, LED indicator | 139.40 | 4548583315938 |
| 382560 | D4SL-N4FFA-D4 | Door locking switch, M20, 2NC/1NO + 2NC, head: resin, Mechanical lock/24VDC solenoid release, LED indicator, special release key | 139.40 | 4548583315952 |
| 382562 | D4SL-N4FFG-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC, head: resin, 24VDC solenoid lock/mechanical release, LED indicator | 139.40 | 4548583315976 |
| 382661 | D4SL-N4GFA-D | Guard lock safety-door switch, D4SL-N, M20, 3NC + 1NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator | 156.80 | 4548583316010 |
| 382577 | D4SL-N4HFG-D | Guard lock safety-door switch, D4SL-N, M20, 3NC + 2NC, head: resin, 24VDC solenoid lock/mechanical release, LED indicator | 139.50 | 4548583316133 |
| 373889 | D4SL-N4NDA-D | Guard lock safety door switch, M20 conduit, 2NC/1NO+2NC/1NO, metal head, solenoid release, terminal block | 189.00 | 4548583317772 |
| 373890 | D4SL-N4NDG-D | Guard lock safety door switch, M20 conduit, 2NC/1NO+2NC/1NO, metal head, solenoid lock, terminal block | 187.30 | 4548583317819 |
| 371536 | D4SL-N4NFA-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, mechanical lock/24VDC solenoid release, 24VDC (LED indicator) | 177.10 | 4548583316812 |
| 382581 | D4SL-N4NFA-DN | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, Mechanical lock/24VDC solenoid release, LED indicator, connector | 132.10 | 4548583316829 |
| 382584 | D4SL-N4NFG-D | Guard lock safety-door switch, D4SL-N, M20, 2NC/1NO + 2NC/1NO, head: resin, 24VDC solenoid lock/mechanical release, LED indicator | 139.40 | 4548583316850 |
| 382622 | D4SL-N4QDA-D | Door locking switch, M20, 3NC + 2NC/1NO, head: metal, Mechanical lock/24VDC solenoid release, LED indicator | 128.30 | 4548583317932 |
| 373886 | D4SL-N4RDA-D | Guard lock safety door switch, M20 conduit, 3NC+3NC, metal head, solenoid release, terminal block | 189.00 | 4548583318014 |
| 367248 | D4SL-N4RDA-DN | Guard lock safety door switch, M20 conduit, 3NC+3NC, metal head, solenoid release, connector | 175.10 | 4548583318021 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 357560 | D4SL-CN3 | Guard lock safety-door switch accessory, D4SL-N, connector cable 3m | 39.26 | 4547648782425 |
| 357561 | D4SL-CN5 | Guard lock safety-door switch accessory, D4SL-N, connector cable 5m | 63.30 | 4547648782432 |
| 373813 | D4SL-NK1 | Guard lock safety-door switch accessory, D4SL-N, operation key: horizontal mounting | 6.60 | 4548583322271 |
| 372695 | D4SL-NK1S | Guard lock safety-door switch accessory, D4SL-N, operation key: horizontal mounting, no cushion rubber (short type) | 6.60 | 4548583322301 |
| 373814 | D4SL-NK2 | Guard lock safety-door switch accessory, D4SL-N, operation key: vertical mounting | 6.82 | 4548583322288 |
| 367249 | D4SL-NK3 | Guard lock safety-door switch accessory, D4SL-N, operation key: adjustable mounting (horizontal) | 20.55 | 4548583322295 |
| 373979 | D4SL-NSK10-LK | D4SL-N slide/lockout key system, without inner lever | 192.60 | 4548583330122 |
| 373978 | D4SL-NSK10-LKH | D4SL-N slide/lockout key system, with inner lever | 232.80 | 4548583330153 |



Easy-to-install safety mat with advanced features

- 1 and 2 cable types
- Meets EN ISO 13849-1 (PLd/Safety Category 3) and EN ISO 13856-1
- Can be used with MC3 Safety Mat Controller or NX Safety Controller
- Complies with North American safety standards including ANSI/RIA 15.06

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 354880 | MC3 | Safety mat controller | 459.90 | 4547648535328 |
| 679659 | UMMA-0500-0250-1 | Safety mat black with 1-cable, 500 x 250 mm dimension | 182.10 | 4549734115254 |
| 679657 | UMMA-0500-0250-2 | Safety mat black with 2-cable, 500 x 250 mm dimension | 197.40 | 4549734116275 |
| 680041 | UMMA-0500-0400-1 | Safety mat black with 1-cable, 500 x 400 mm dimension | 296.40 | 4549734115278 |
| 680046 | UMMA-0500-0400-2 | Safety mat black with 2-cable, 500 x 400 mm dimension | 296.40 | 4549734116299 |
| 680042 | UMMA-0600-0400-1 | Safety mat black with 1-cable, 600 x 400 mm dimension | 308.60 | 4549734115353 |
| 680040 | UMMA-0600-0400-2 | Safety mat black with 2-cable, 600 x 400 mm dimension | 308.60 | 4549734116374 |
| 679435 | UMMA-0750-0250-1 | Safety mat black with 1-cable, 750 x 250 mm dimension | 283.60 | 4549734115421 |
| 679570 | UMMA-0750-0500-1 | Safety mat black with 1-cable, 750 x 500 mm dimension | 394.40 | 4549734115452 |
| 680179 | UMMA-0750-0750-1 | Safety mat black with 1-cable, 750 x 750 mm dimension | 586.00 | 4549734115476 |
| 680182 | UMMA-0750-0750-2 | Safety mat black with 2-cable, 750 x 750 mm dimension | 586.00 | 4549734116497 |
| 679817 | UMMA-1000-0750-1 | Safety mat black with 1-cable, 1000 x 750 mm dimension | 634.00 | 4549734115803 |
| 679819 | UMMA-1000-0750-2 | Safety mat black with 2-cable, 1000 x 750 mm dimension | 634.00 | 4549734116824 |
| 679486 | UMMA-1000-1250-1 | Safety mat black with 1-cable, 1000 x 1250 mm dimension | 817.50 | 4549734115841 |
| 678351 | UMMA-1000-1500-2 | Safety mat black with 2-cable, 1000 x 1500 mm dimension | 929.50 | 4549734116879 |
| 680044 | UMMYA-0500-0400-1 | Safety mat yellow with 1-cable, 500 x 400 mm dimension | 324.80 | 4549734117319 |
| 680038 | UMMYA-0500-0400-2 | Safety mat yellow with 2-cable, 500 x 400 mm dimension | 324.80 | 4549734118330 |
| 680045 | UMMYA-0600-0400-1 | Safety mat yellow with 1-cable, 600 x 400 mm dimension | 323.80 | 4549734117395 |
| 680047 | UMMYA-0600-0400-2 | Safety mat yellow with 2-cable, 600 x 400 mm dimension | 323.80 | 4549734118415 |
| 680180 | UMMYA-0750-0750-2 | Safety mat yellow with 2-cable, 750 x 750 mm dimension | 622.50 | 4549734118538 |
| 679542 | UMMYA-0750-1500-1 | Safety mat yellow with 1-cable, 750 x 1500 mm dimension | 759.00 | 4549734117531 |
| 679816 | UMMYA-1000-0750-1 | Safety mat yellow with 1-cable, 1000 x 750 mm dimension | 664.50 | 4549734117845 |
| 679815 | UMMYA-1000-0750-2 | Safety mat yellow with 2-cable, 1000 x 750 mm dimension | 664.50 | 4549734118866 |
| 679539 | UMMYA-1000-1000-1 | Safety mat yellow with 1-cable, 1000 x 1000 mm dimension | 688.00 | 4549734117876 |
| 679541 | UMMYA-1000-1500-1 | Safety mat yellow with 1-cable, 1000 x 1500 mm dimension | 916.00 | 4549734117890 |
| 679538 | UMMYA-1000-1500-2 | Safety mat yellow with 2-cable, 1000 x 1500 mm dimension | 919.00 | 4549734118910 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 679658 | MTKCA-0500-0250 | Set of molded outside corners and Trims that fit the mat dimensions 500*250 | 184.50 | 4549734114066 |
| 680039 | MTKCA-0500-0400 | Set of molded outside corners and trims that fit the mat dimensions 500 x 400 mm | 263.30 | 4549734114080 |
| 680043 | MTKCA-0600-0400 | Set of molded outside corners and trims that fit the mat dimensions 600 x 400 mm | 303.80 | 4549734114165 |
| 679437 | MTKCA-0750-0250 | Set of molded outside corners and Trims that fit the mat dimensions 750*250 | 283.60 | 4549734114233 |
| 679571 | MTKCA-0750-0500 | Set of molded outside corners and Trims that fit the mat dimensions 750*500 | 309.90 | 4549734114264 |
| 680181 | MTKCA-0750-0750 | Set of molded outside corners and trims that fit the mat dimensions 750 x 750 mm | 398.70 | 4549734114288 |
| 679543 | MTKCA-0750-1500 | Set of molded outside corners and Trims that fit the mat dimensions 750*1500 mm | 388.50 | 4549734114301 |
| 679818 | MTKCA-1000-0750 | Set of molded outside corners and Trims that fit the mat dimensions 1000 x 750 | 370.50 | 4549734114615 |
| 679540 | MTKCA-1000-1250 | Set of molded outside corners and Trims that fit the mat dimensions 1000*1250 mm | 394.40 | 4549734114653 |
| 678245 | UMA-CBL-3PCF-M8-10M | Single connector 10 m cable to connect a 2-cable Mat (UMMA-2) to a Controller. M8, 3-socket | 30.38 | 4549734113878 |
| 679436 | UMA-CBL-4PCF-M8-05M | Single connector 5 m cable to connect a 1-cable mat (UMMA-1) to a controller. M8, 4-socket | 42.50 | 4549734113892 |
| 363812 | UMAL | Aluminium ramp trim, 2.44m | 166.50 | 4547648535298 |
| 363814 | UMIC | Molded inside corner | 57.10 | 4547648579261 |
| 679544 | UMJS4 | Safety mat, joining trim, 1.22 m | 205.40 | 4547648535267 |
| 393576 | UMRT4 | Safety Mat/Safety Mat controller, Ramp trim with yellow PVC cover (1.22 m) | 128.70 | 4547648535212 |



Safety laser scanner

Small size, less weight and low-power consumption are extending operation time of battery powered systems like automated guided vehicles (AGVs). Safety laser scanner OS32C covers all these requirements in collision avoidance, presence and intrusion detection applications. Maintenance is made simple since diagnosis is clear having LED displays.

- Type 3 Safety Laser Scanner complies with IEC61496-1/-3
- 70 sets of safety zone and warning zone combinations
- Safety zone up to 4m and warning zone(s) up to 15m.
- 8 Individual Sector indicators and various LED for clear status indication
- Reference boundary function prevents unauthorized change of scanner position

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 674732 | OS32C-BP VER2 @ OEE | Safety laser scanner, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, back location cable exit | 4,227.00 | 4548583061118 |
| 674731 | OS32C-BP-4M | Safety laser scanner, safety radius 4 m, warning zone 15 m, PLd & Cat 3, 24 VDC, back location cable exit | 5,120.00 | 4548583522183 |
| 674735 | OS32C-BP-DM | Safety laser scanner, measurement and EtherNet/IP, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, back location cable exit | 4,654.00 | 4548583409217 |
| 674726 | OS32C-BP-DM-4M | Safety laser scanner with measurement data, safety radius 4m, warning zone 10 m, PLd & Cat 3, EtherNet/IP, 24 VDC, back location cable exit | 5,645.00 | 4548583522213 |
| 674725 | OS32C-SP1 VER2 | Safety laser scanner, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, side location cable exit | 4,227.00 | 4548583061125 |
| 674729 | OS32C-SP1-4M | Safety laser scanner, safety radius 4m, warning zone 15 m, PLd & Cat 3, 24 VDC, side location cable exit | 5,120.00 | 4548583522176 |
| 674734 | OS32C-SP1-DM | Safety laser scanner, measurement and EtherNet/IP, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, side location cable exit | 4,654.00 | 4548583409224 |
| 674733 | OS32C-SP1-DM-4M | Safety laser scanner with measurement data, safety radius 4m, warning zone 10 m, PLd & Cat 3, EtherNet/IP, 24 VDC, side location cable exit | 5,645.00 | 4548583522206 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 349185 | OS32C-BKT1 | Bottom/side mounting bracket + unit mounting screws | 103.70 | 4547648823531 |
| 349186 | OS32C-BKT2 | Accessory safety, laser scanner mounting kit, XY rotational mounting, must be used with OS32C-BKT1 | 113.90 | 4547648823548 |
| 349187 | OS32C-BKT3 | Simple mounting brackets x 2 + mounting screws | 70.65 | 4547648823555 |
| 349188 | OS32C-BKT4 | Safety laser scanner protective cover for window | 73.25 | 4547648823562 |
| 349178 | OS32C-CBL-03M | Safety laser scanner power and I/O cable, 3m | 114.50 | 4547648823463 |
| 349179 | OS32C-CBL-10M | Safety laser scanner power and I/O cable, 10m | 152.30 | 4547648823470 |
| 349180 | OS32C-CBL-20M | Safety laser scanner power and I/O cable, 20m | 223.60 | 4547648823487 |
| 349181 | OS32C-CBL-30M | Safety laser scanner power and I/O cable, 30m | 294.10 | 4547648823494 |
| 349182 | OS32C-ECBL-02M | Ethernet cable, for configuration and monitoring, 2 m | 173.30 | 4547648823500 |
| 349183 | OS32C-ECBL-05M | Ethernet cable, for configuration and monitoring, 5 m | 222.60 | 4547648823517 |
| 674727 | OS32C-SN VER2 | Accessory safety, laser scanner, spare for replacement, sensor block without I/O block, Ver.2 | 3,435.00 | 4548583061132 |
| 349191 | OS32C-WIN-KT | Accessory safety, laser scanner, spare for replacement, Scan window | 132.90 | 4547648823593 |

Advanced type for complex safety solutions



The F3SG-RA advanced safety light curtain provides simplicity in mounting, daily operation and maintenance.

- Torsion-resistant for fast and simple alignment
- Smart-click cable connection for fast set-up and correct torque to ensure IP67
- QR code indication for easy online troubleshooting
- PNP/NPN output selection by DIP switch
- Cascading connection up to 3 segments and up to 255 beams
- Built in blanking, muting and reset functions

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 673576 | F3SG-4RA0240-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 240 mm, PNP/NPN | 816.50 | 4549734102056 |
| 673533 | F3SG-4RA0270-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 270 mm, PNP/NPN | 692.50 | 4549734102551 |
| 673491 | F3SG-4RA0320-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP/NPN | 893.00 | 4549734102063 |
| 673564 | F3SG-4RA0350-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 350 mm, PNP/NPN | 749.50 | 4549734102568 |
| 673497 | F3SG-4RA0400-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 400 mm, PNP/NPN | 969.50 | 4549734102070 |
| 673560 | F3SG-4RA0430-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 430 mm, PNP/NPN | 807.00 | 4549734102575 |
| 673567 | F3SG-4RA0480-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 mm, PNP/NPN | 1,046.00 | 4549734102087 |
| 673569 | F3SG-4RA0510-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 510 mm, PNP/NPN | 863.00 | 4549734102582 |
| 673542 | F3SG-4RA0560-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 560 mm, PNP/NPN | 1,124.00 | 4549734102094 |
| 673519 | F3SG-4RA0590-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 590 mm, PNP/NPN | 921.00 | 4549734102599 |
| 673510 | F3SG-4RA0640-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 640 mm, PNP/NPN | 1,200.00 | 4549734102100 |
| 673578 | F3SG-4RA0670-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 670 mm, PNP/NPN | 978.00 | 4549734102605 |
| 673511 | F3SG-4RA0750-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 750 mm, PNP/NPN | 1,036.00 | 4549734102612 |
| 673529 | F3SG-4RA0800-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 800 mm, PNP/NPN | 1,353.00 | 4549734102124 |
| 673504 | F3SG-4RA0830-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 830 mm, PNP/NPN | 1,094.00 | 4549734102629 |
| 673554 | F3SG-4RA0910-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP/NPN | 1,150.00 | 4549734102636 |
| 673568 | F3SG-4RA0960-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 960 mm, PNP/NPN | 1,506.00 | 4549734102148 |
| 673505 | F3SG-4RA0990-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 990 mm, PNP/NPN | 1,208.00 | 4549734102643 |
| 673550 | F3SG-4RA1040-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1040 mm, PNP/NPN | 1,583.00 | 4549734102155 |
| 673553 | F3SG-4RA1070-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP/NPN | 1,264.00 | 4549734102650 |
| 673527 | F3SG-4RA1150-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1150 mm, PNP/NPN | 1,322.00 | 4549734102667 |
| 673580 | F3SG-4RA1200-14 | Safety Sensor, F3SG-R Advanced, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1200 mm, PNP/NPN | 1,737.00 | 4549734102179 |
| 673594 | F3SG-4RA1230-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1230 mm, PNP/NPN | 1,379.00 | 4549734102674 |
| 673513 | F3SG-4RA1470-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1470 mm, PNP/NPN | 1,551.00 | 4549734102704 |
| 673549 | F3SG-4RA1550-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1550 mm, PNP/NPN | 1,609.00 | 4549734102711 |
| 673523 | F3SG-4RA1630-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1630 mm, PNP/NPN | 1,665.00 | 4549734102728 |
| 673487 | F3SG-4RA1950-30 | Safety Sensor, F3SG-R Advanced, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1950 mm, PNP/NPN | 1,896.00 | 4549734102766 |

Easy type for simple ON/OFF detection applications



The F3SG-RE easy safety light curtain provides simplicity in mounting, operation and maintenance.

- Torsion-resistant for fast and simple alignment
- Smart-click cable connection for fast set-up and correct torque to ensure IP67
- QR code indication for easy online troubleshooting

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 673579 | F3SG-2RE0270P30 | Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 270 mm, PNP | 465.30 | 4549734103954 |
| 673572 | F3SG-2RE0320P14 | Safety Sensor, F3SG-R Easy, Type 2, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP | 647.50 | 4549734103718 |
| 673490 | F3SG-2RE0910P30 | Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP | 926.00 | 4549734104036 |
| 673489 | F3SG-2RE1070P30 | Safety Sensor, F3SG-R Easy, Type 2, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP | 1,008.00 | 4549734104050 |
| 673303 | F3SG-4RE0160P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 160 mm, PNP | 609.00 | 4549734103145 |
| 673285 | F3SG-4RE0190P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 190 mm, PNP | 513.50 | 4549734103398 |
| 673276 | F3SG-4RE0240P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 240 mm, PNP | 679.50 | 4549734103152 |
| 673294 | F3SG-4RE0320P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 320 mm, PNP | 749.50 | 4549734103169 |
| 673256 | F3SG-4RE0350P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 350 mm, PNP | 618.50 | 4549734103411 |
| 673272 | F3SG-4RE0400P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 400 mm, PNP | 819.50 | 4549734103176 |
| 673293 | F3SG-4RE0430P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 430 mm, PNP | 671.00 | 4549734103428 |
| 673258 | F3SG-4RE0480P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 480 mm, PNP | 890.00 | 4549734103183 |
| 673297 | F3SG-4RE0510P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 510 mm, PNP | 723.50 | 4549734103435 |
| 673298 | F3SG-4RE0560P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 560 mm, PNP | 959.50 | 4549734103190 |
| 673278 | F3SG-4RE0590P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 590 mm, PNP | 775.50 | 4549734103442 |
| 673270 | F3SG-4RE0640P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 640 mm, PNP | 1,030.00 | 4549734103206 |
| 673279 | F3SG-4RE0670P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 670 mm, PNP | 829.00 | 4549734103459 |
| 673292 | F3SG-4RE0720P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 720 mm, PNP | 1,101.00 | 4549734103213 |
| 673289 | F3SG-4RE0750P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 750 mm, PNP | 882.00 | 4549734103466 |
| 673290 | F3SG-4RE0800P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 800 mm, PNP | 1,171.00 | 4549734103220 |
| 673291 | F3SG-4RE0830P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 830 mm, PNP | 933.50 | 4549734103473 |
| 673300 | F3SG-4RE0880P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 880 mm, PNP | 1,241.00 | 4549734103237 |
| 673284 | F3SG-4RE0910P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 910 mm, PNP | 987.00 | 4549734103480 |
| 673283 | F3SG-4RE0960P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 960 mm, PNP | 1,312.00 | 4549734103244 |
| 673263 | F3SG-4RE0990P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 990 mm, PNP | 1,040.00 | 4549734103497 |
| 673304 | F3SG-4RE1040P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1040 mm, PNP | 1,381.00 | 4549734103251 |
| 673269 | F3SG-4RE1070P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1070 mm, PNP | 1,094.00 | 4549734103503 |
| 673301 | F3SG-4RE1120P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1120 mm, PNP | 1,453.00 | 4549734103268 |
| 673262 | F3SG-4RE1200P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1200 mm, PNP | 1,523.00 | 4549734103275 |
| 673271 | F3SG-4RE1230P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1230 mm, PNP | 1,198.00 | 4549734103527 |
| 673257 | F3SG-4RE1310P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1310 mm, PNP | 1,251.00 | 4549734103534 |
| 673275 | F3SG-4RE1470P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1470 mm, PNP | 1,356.00 | 4549734103558 |
| 673281 | F3SG-4RE1520P14 | Safety Sensor, F3SG-R Easy, Type 4, 14 mm resolution, range 0.3 to 10.0 m, height 1520 mm, PNP | 1,817.00 | 4549734103312 |
| 673273 | F3SG-4RE1550P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1550 mm, PNP | 1,408.00 | 4549734103565 |
| 673274 | F3SG-4RE1630P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1630 mm, PNP | 1,462.00 | 4549734103572 |
| 673264 | F3SG-4RE1790P30 | Safety Sensor, F3SG-R Easy, Type 4, 30 mm resolution, range 0.3 to 20.0 m, height 1790 mm, PNP | 1,568.00 | 4549734103596 |



Category 4 / 2 safety light curtain

The F3S-TGR-CL safety sensor family is simple to wire, mount and configure since all models in finger-, hand- and body protection in type 2 and type 4 are designed in the same way, providing the same set of user selectable functions.

- Finger- or hand protection (14 or 35mm resolution)
- Max. operating range 6m and 14m respectively
- Type 2 or type 4 acc. EN61496-1
- All models with external device monitoring, interlock/start/restart and multiplex optical channels
- Advanced models for muting, blanking, pre-reset and cyclic operation (selectable via built-in dip-switches)
- Muting lamp integrated
- EN ISO 13849-1 – ready

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 656630 | F3S-TGR-CL2A-035-1200 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1200mm | 1,279.00 | 4548583738973 |
| 656655 | F3S-TGR-CL2A-035-300 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm | 556.50 | 4548583738294 |
| 656705 | F3S-TGR-CL2A-035-600 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm | 869.50 | 4548583738577 |
| 656513 | F3S-TGR-CL2B-014-150 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 150mm | 443.40 | 4548583738140 |
| 656784 | F3S-TGR-CL2B-014-300 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 300mm | 618.50 | 4548583738546 |
| 656512 | F3S-TGR-CL2B-014-750 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 750mm | 1,090.00 | 4548583739024 |
| 656746 | F3S-TGR-CL2B-035-1050 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1050mm | 1,107.00 | 4548583738904 |
| 656748 | F3S-TGR-CL2B-035-1200 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1200mm | 1,224.00 | 4548583738980 |
| 656528 | F3S-TGR-CL2B-035-1500 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1500mm | 1,486.00 | 4548583739109 |
| 656656 | F3S-TGR-CL2B-035-300 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm | 512.50 | 4548583738300 |
| 656502 | F3S-TGR-CL2B-035-450 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 450mm | 696.50 | 4548583738423 |
| 656706 | F3S-TGR-CL2B-035-600 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm | 829.00 | 4548583738584 |
| 656583 | F3S-TGR-CL2B-035-750 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 750mm | 910.50 | 4548583738782 |
| 656708 | F3S-TGR-CL2B-035-900 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 900mm | 1,100.00 | 4548583738867 |
| 656742 | F3S-TGR-CL4B-014-300 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 300mm | 1,036.00 | 4548583738560 |
| 656659 | F3S-TGR-CL4B-014-450 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 450mm | 1,294.00 | 4548583738843 |
| 656792 | F3S-TGR-CL4B-014-600 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 600mm | 1,503.00 | 4548583738966 |
| 656527 | F3S-TGR-CL4B-014-750 | Safety light curtain, finger 14mm, range 0.2-6m, stand-alone, height 750mm | 1,897.00 | 4548583739048 |
| 656589 | F3S-TGR-CL4B-035-1500 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 1500mm | 1,939.00 | 4548583739123 |
| 656577 | F3S-TGR-CL4B-035-300 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 300mm | 829.00 | 4548583738324 |
| 656503 | F3S-TGR-CL4B-035-450 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 450mm | 984.50 | 4548583738447 |
| 656581 | F3S-TGR-CL4B-035-600 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 600mm | 1,139.00 | 4548583738607 |
| 656584 | F3S-TGR-CL4B-035-750 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 750mm | 1,294.00 | 4548583738805 |
| 656791 | F3S-TGR-CL4B-035-900 | Safety light curtain, hand 35mm, range 0.2-14m, stand-alone, height 900mm | 1,449.00 | 4548583738881 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 352024 | F39-TGR-AS-B-1200 | Adjustable stand for F3S-TGR-CL family, height 1200 mm, 1 pcs. | 521.00 | 4548583036680 |
| 352025 | F39-TGR-AS-B-1600 | Adjustable stand for F3S-TGR-CL family, height 1600 mm, 1 pcs. | 808.00 | 4548583036697 |
| 377560 | F39-TGR-CL-LLK | Laser-alignment kit including bracket for F3S-TGR-CL SLC | 614.50 | 4547648962902 |
| 284041 | F39-TGR-CVL-B-15-R | Receiver cable M12 8-pin, female connector, shielded cable 15 m | 100.90 | 4547648866064 |
| 249239 | F39-TGR-ST-ADJ | Mounting bracket (1 pc) for TGR light curtain, adjustable +/- 8° | 21.52 | 4547648857277 |
| 249241 | F39-TGR-ST-MDG2 | Mounting kit to fix MDG-serie mirror on ECO-1 stand | 70.75 | 4547648857291 |
| 249246 | F39-TGR-ST-SB | Mounting bracket (1 pc) for TGR light curtain | 11.38 | 4547648857345 |

Advanced type for complex safety solutions



The F3SJ-A-family is a type 4 safety light curtain with a optical resolution of 14 mm and 30 mm. An operating range of up to 9 m and protective heights up to 2,495 mm providing end to end detection with zero dead zone.

- Detection height = sensor height
- Muting and blanking function available
- Series connection up to 4 Sets
- LED bar for easy alignment and diagnosis
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 225435 | F3SJ-A0545P20 | Safety Light Curtain, F3SJ Advanced, Type 4, 20mm resolution, range 0.2 to 9.0m, height 545mm, PNP | 1,757.00 | 4547648136907 |

Basic type with a combination of performance and functionality



The F3SJ-B-family is a type 4 safety light curtain with an optical resolution of 25 mm. An operation range of up to 7 m and a protective height up to 2,065 mm are provided with no dead zone.

- Detection height = sensor height
- Simple hand protection
- Muting function available
- Series connection up to three sets
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 356723 | F3SJ-B0185P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 185 mm, PNP | 690.00 | 4548583047402 |
| 356745 | F3SJ-B0225P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 225mm, PNP | 752.50 | 4548583047419 |
| 356724 | F3SJ-B0305P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 305 mm, PNP | 822.50 | 4548583047426 |
| 356740 | F3SJ-B0465P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 465 mm, PNP | 1,010.00 | 4548583047440 |
| 356741 | F3SJ-B0545P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 545 mm, PNP | 1,027.00 | 4548583047457 |
| 356738 | F3SJ-B0625P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 625mm, PNP | 1,156.00 | 4548583047464 |
| 356726 | F3SJ-B0705P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 705 mm, PNP | 1,216.00 | 4548583047471 |
| 356739 | F3SJ-B0785P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 785 mm, PNP | 1,306.00 | 4548583047488 |
| 356746 | F3SJ-B0945P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 945 mm, PNP | 1,454.00 | 4548583047501 |
| 356728 | F3SJ-B1025P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1025mm, PNP | 1,540.00 | 4548583047518 |
| 356729 | F3SJ-B1185P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1185mm, PNP | 1,763.00 | 4548583047532 |
| 356747 | F3SJ-B1265P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1265mm, PNP | 1,873.00 | 4548583047549 |
| 356742 | F3SJ-B1505P25 | Safety Light Curtain, F3SJ Basic, Type 4, 25mm resolution, range 0.2 to 7.0m, height 1505mm, PNP | 2,053.00 | 4548583047570 |



Easy type for simple and affordable hand protection

The F3SJ-E-family is a type 4 safety light curtain with an optical resolution of 25 mm. An operation range of up to 7 m and a protective height up to 1,105 mm are provided with no dead zone.

- Detection height = sensor height
- Small housing
- Simple and affordable hand protection
- Reduced wiring, quick mount brackets and easy-to-view-alignment beams reduce mounting time
- Type 4 sensor complying with EN 61496-1 and up to PLe according EN ISO 13849

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 356003 | F3SJ-E0185P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 185 mm, PNP | 650.50 | 4548583047655 |
| 356005 | F3SJ-E0305P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 305 mm, PNP | 825.00 | 4548583047679 |
| 356016 | F3SJ-E0385P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 385 mm, PNP | 861.50 | 4548583047686 |
| 356006 | F3SJ-E0465P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 465 mm, PNP | 915.00 | 4548583047693 |
| 356007 | F3SJ-E0545P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 545 mm, PNP | 1,070.00 | 4548583047709 |
| 356013 | F3SJ-E0625P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 625 mm, PNP | 1,114.00 | 4548583047716 |
| 356008 | F3SJ-E0785P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 785 mm, PNP | 1,274.00 | 4548583047730 |
| 356009 | F3SJ-E0945P25 | Safety Light Curtain, F3SJ Easy, Type 4, 25 mm resolution, range 0.2 to 7.0 m, height 945 mm, PNP | 1,316.00 | 4548583047754 |

Category 4 / 2 safety light curtain

The F3S-TGR-CL safety sensor family is simple to wire, mount and configure since all models in finger-, hand- and body protection in type 2 and type 4 are designed in the same way, providing the same set of user selectable functions.

- 2-, 3 and 4 beam safety sensors
- Max. operating range 12m in active/passive
- Max. operating range 50m in active/active
- Type 2 or type 4 acc. EN61496-1
- All models with external device monitoring, interlock/start/restart and multiplex optical channels
- Advanced models for Muting, and pre-reset (selectable via built-in dip-switches)
- EN ISO 13849-1 – ready

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 656700 | F3S-TGR-CL2B-K2C-500 | Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm | 640.50 | 4548583738065 |
| 656515 | F3S-TGR-CL2B-K4C-900 | Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm | 858.00 | 4548583738348 |
| 656616 | F3S-TGR-CL4A-K2C-500 | Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm | 700.00 | 4548583738072 |
| 656505 | F3S-TGR-CL4A-K3-800 | Safety light curtain, 3 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 800mm | 942.50 | 4548583738492 |
| 656738 | F3S-TGR-CL4A-K3C-800 | Safety light curtain, 3 beam, active/passive, body, beam distance 400mm, range 0.5-8m, detection zone 800mm | 880.50 | 4548583738270 |
| 656622 | F3S-TGR-CL4A-K4-900 | Safety light curtain, 4 beam, active/active, body, beam distance 300mm, range 0.5-40m, detection zone 900mm | 1,051.00 | 4548583738652 |
| 656740 | F3S-TGR-CL4A-K4C-1200 | Safety light curtain, 4 beam, active/passive, body, beam distance 400mm, range 0.5-7m, detection zone 1200mm | 942.50 | 4548583738393 |
| 656739 | F3S-TGR-CL4A-K4C-900 | Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm | 946.00 | 4548583738355 |
| 656776 | F3S-TGR-CL4B-K2C-500 | Safety light curtain, 2 beam, active/passive, body, beam distance 500mm, range 0.5-12m, detection zone 500mm | 673.50 | 4548583738089 |
| 656783 | F3S-TGR-CL4B-K3-800 | Safety light curtain, 3 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 800mm | 883.50 | 4548583738515 |
| 656576 | F3S-TGR-CL4B-K3C-800 | Safety light curtain, 3 beam, active/passive, body, beam distance 400mm, range 0.5-8m, detection zone 800mm | 768.50 | 4548583738287 |
| 656788 | F3S-TGR-CL4B-K4-1200 | Safety light curtain, 4 beam, active/active, body, beam distance 400mm, range 0.5-40m, detection zone 1200mm | 1,026.00 | 4548583738751 |
| 656787 | F3S-TGR-CL4B-K4-900 | Safety light curtain, 4 beam, active/active, body, beam distance 300mm, range 0.5-40m, detection zone 900mm | 975.50 | 4548583738676 |
| 656780 | F3S-TGR-CL4B-K4C-1200 | Safety light curtain, 4 beam, active/passive, body, beam distance 400mm, range 0.5-7m, detection zone 1200mm | 942.50 | 4548583738409 |
| 656619 | F3S-TGR-CL4B-K4C-900 | Safety light curtain, 4 beam, active/passive, body, beam distance 300mm, range 0.5-7m, detection zone 900mm | 907.00 | 4548583738362 |

Safety light curtain accessories

Safety light curtain

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 150199 | F39-A11 | Muting lamp, to be used with F3SP controllers | 86.35 | 4536853860066 |
| 667386 | F39-BT | Safety sensor accessory, F3SG-R Advanced, bluetooth unit | 94.05 | 4548583564350 |
| 667384 | F39-BTLP | Safety Sensor Accessory, F3SG-R Advanced, bluetooth and lamp unit | 84.95 | 4548583564367 |
| 667378 | F39-GCN4 | Safety sensor accessory, F3W-MA Smart Muting Actuator, 4 joint connector set (1 for receiver + 1 for emitter) | 129.20 | 4548583594197 |
| 667567 | F39-GIF | Safety sensor accessory, F3SG-R Advanced, interface unit | 166.30 | 4548583564381 |
| 357833 | F39-JBR2W | Series connection cable for extension for F3SJ | 154.90 | 4548583047792 |
| 356813 | F39-JD10A | Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 10 m | 359.50 | 4548583097124 |
| 356814 | F39-JD15A | Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 15 m | 489.70 | 4548583097131 |
| 356811 | F39-JD3A | Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 3 m | 189.20 | 4548583097100 |
| 356812 | F39-JD7A | Safety Light Curtain Accessory, F3SJ Series, emitter + receiver cable M12 8-pin, female, 7 m | 277.60 | 4548583097117 |
| 667628 | F39-JG10A-D | Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 10 m | 51.85 | 4548583567856 |
| 667630 | F39-JG10A-L | Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 10 m | 38.25 | 4548583567672 |
| 667600 | F39-JG15A-D | Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 15 m | 70.00 | 4548583567863 |
| 667626 | F39-JG15A-L | Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 15 m | 50.25 | 4548583567689 |
| 667634 | F39-JG1B-D | Safety sensor accessory, F3SG-R Advanced, receiver extension cable M12 8-pin, male/female, 1 m | 28.54 | 4548583567948 |
| 667631 | F39-JG1B-L | Safety sensor accessory, F3SG-R Advanced, emitter extension cable M12 5-pin, male/female, 1 m | 21.39 | 4548583567764 |
| 667633 | F39-JG20A-D | Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 20 m | 87.50 | 4548583567870 |
| 667644 | F39-JG20A-L | Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 20 m | 63.15 | 4548583567696 |
| 667599 | F39-JG3A-D | Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 3 m | 25.93 | 4548583567832 |
| 667598 | F39-JG3A-L | Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 3 m | 19.43 | 4548583567658 |
| 667627 | F39-JG7A-D | Safety sensor accessory, F3SG-R Advanced, receiver cable M12 8-pin, female, 7 m | 40.51 | 4548583567849 |
| 667625 | F39-JG7A-L | Safety sensor accessory, F3SG-R Advanced, emitter cable M12 5-pin, female, 7 m | 29.84 | 4548583567665 |
| 667568 | F39-JGR2W | Safety Sensor Accessory, F3SG-R Advanced, cascading cable set (2pcs.) | 42.72 | 4548583564398 |
| 679503 | F39-JGR2WTS | Cascading cable for Safety sensor F3SG-4RA____-25-01TS (two cables per set, for emitter and receiver) M12 (8-pin) to cap connector | 96.10 | 4548583865013 |
| 189901 | F39-JJR15L | Series connection cable for F3SJ, 0.15 m (cap both ends) | 112.30 | 4547648149631 |
| 247741 | F39-JMT-10M | Transmitter MS cable, 10m length | 28.88 | 4547648856508 |
| 667566 | F39-LGA | Safety Sensor Accessory, F3SG-R Series, adjustable bracket set (2pcs.), adjustable +/- 15° | 21.41 | 4548583564121 |
| 667565 | F39-LGF | Safety sensor accessory, F3SG-R Series, fixed bracket set (2 pcs.) | 13.89 | 4548583564114 |
| 667385 | F39-LGTB | Safety Sensor Accessory, F3SG-R Series, top/bottom adjustable bracket set (4pcs.), adjustable +/- 22.5° | 72.90 | 4548583564329 |
| 355956 | F39-LJB1 | Safety Light Curtain Accessory, F3SJ-E/B Series, top/bottom bracket (4 pcs.) | 38.18 | 4548583033092 |
| 355957 | F39-LJB2 | Safety Light Curtain Accessory, F3SJ-E/B Series, intermediate-side mounting bracket (2 pcs.) | 64.70 | 4548583033108 |
| 667337 | F39-LP | Safety Sensor Accessory, F3SG-R Advanced, lamp unit | 36.20 | 4548583564343 |
| 249222 | F39-TGR-MDG0907 | Mirror, 125x958mm, for 900mm Safety light curtains | 209.40 | 4547648857109 |
| 249224 | F39-TGR-MDG1207 | Mirror, 125x1258mm, for 1200mm Safety light curtains | 240.60 | 4547648857123 |

F39-TGR-MCL

Muting actuators

Muting actuators



The F39-TGR-MCL_ muting actuators are plug-and-play accessories for the F3S-TGR-CL Safety Sensors. Easy wiring of the entire muting system is provided by connection boxes managing all connections needed.

- Active/active and active/passive systems supported
- T- and L- shape muting by using same parts
- Selectable muting sensor sequence
- Pre-installed mounting brackets
- Pre-wired connection cables
- Supporting Type 2 and Type 4 applications

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 337393 | F39-TGR-MCL | Muting actuators for active/active safety sensor, set of Transmitter and Receiver unit, mounting bracket are pre-mounted | 331.40 | 4547648885010 |
| 337396 | F39-TGR-MCL-CMD | Muting connection box for Transceiver and Receiver | 83.70 | 4547648885041 |
| 337395 | F39-TGR-MCL-CML | Muting connection box for Transmitter | 46.17 | 4547648885034 |
| 337394 | F39-TGR-MCL-R | Muting actuators for active/passive safety sensor, set of Transceiver and Reflector unit, mounting bracket are pre-mounted | 336.80 | 4547648885027 |



Smart actuator for muting applications

The F3W-MA smart muting actuator is an integrated sensor system utilizing multiplebeam sensor technology to configure muting systems in combination with the safety light curtain.

- Point-to-point detection mode for workpieces with constant shape
- Chattering/void space prevention mode to prevent impact of small object holes

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 667382 | F3W-MA0100P | Safety Sensor Accessory, F3W-MA Smart Muting Actuator, 100mm beam gap | 368.30 | 4548583571150 |
| 667381 | F3W-MA0300P | Safety Sensor Accessory, F3W-MA Smart Muting Actuator, 300mm beam gap | 461.00 | 4548583571167 |

NE1A-SCPU

Programmable safety controllers

Safety network controller NE1A



The NE1A hosts the safety application program. All local and DeviceNet safety-based in- and outputs are monitored and controlled by the NE1A. It manages up to 16 DeviceNet safety slaves and can be seamlessly integrated in a standard DeviceNet system.

- Removable cage-clamp terminals for easy installation
- Predefined and certified function blocks for easy programming
- LED display and status LEDs for advanced diagnostics
- System status on DeviceNet for easy troubleshooting and predictive maintenance
- Easy scalability through the addition of DeviceNet safety devices

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 231688 | NE1A-SCPU01-V1 VER2.0 | Safety network controller, 16x PNP inputs, 8x PNP outputs, 4x test outputs | 2,047.00 | 4547648303385 |
| 231689 | NE1A-SCPU02 VER2.0 | Safety network controller, 40 x PNP inputs, 8x PNP outputs, 8x test outputs | 3,601.00 | 4547648303392 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 354910 | WS02-CFSC1-EV3 | Safety network configurator, PC software | 555.00 | 4548583052260 |



The standalone safety controller

The G9SP safety controller provides all local safety in- and outputs and controls the safety application. Standard in- and outputs can be directly connected and diagnosis information is provided via Serial or Ethernet interface.

- Three CPU-types to suit different applications
- Clear diagnosis and monitoring via Ethernet or Serial connection
- Memory cassette for easy duplication of configuration
- Unique programming software to support easy design, verification, standardization and reusage of the program
- Certified according to PLe (EN ISO 13849-1) and SIL 3 (IEC 61508)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 342714 | G9SP-N10D | G9SP Standalone Safety controller, 10 safety input, 16 safety output, 6 test output. PNP | 705.50 | 4547648830263 |
| 342713 | G9SP-N10S | G9SP Standalone Safety controller, 10 safety input, 4 safety output, 4 test output, 4 standard output. PNP | 582.50 | 4547648830256 |
| 342715 | G9SP-N20S | G9SP Standalone Safety controller, 20 safety input, 8 safety output, 6 test output. PNP | 609.00 | 4547648830270 |
| 393620 | WS02-G9SP01-V2 | G9SP Configurator, 1 license, WIN-2000/XP/Vista. | 421.30 | 4548583546318 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--------------------------------|-----------|---------------|
| 364929 | 82611-0010 CM-EIP-1 | G9SP EIP communications option | 289.00 | 4548583062429 |

DST-ID

Programmable safety controllers

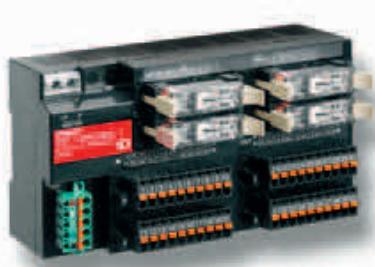
DeviceNet safety I/O terminal block family

The DeviceNet safety input terminal DST-ID has 12 inputs for safety signals. Four test pulse outputs ensure crosstalk and short-circuit detection.

- Removable cage-clamp terminals for easy installation
- 12 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- Status LEDs for advanced diagnostics
- Mixed-mode operation (safety and standard) for all inputs



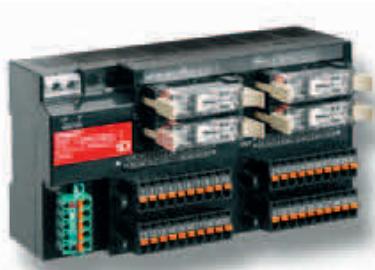
| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 353672 | DST1-ID12SL-1 | Remote I/O terminal, 12 x PNP inputs, 4 x test outputs | 832.00 | 4547648836821 |

DeviceNet safety I/O terminal block family

The DeviceNet safety I/O-terminal DST-MD has 8 inputs for safety signals and eight solid-state safety outputs with up to 500mA. Four test pulse outputs ensure crosstalk and short-circuit detection of the inputs.

- Removable cage-clamp terminals for easy installation
- 8 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- 8 solid-state outputs
- Status LEDs for advanced diagnostics

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 353673 | DST1-MD16SL-1 | Remote I/O terminal, 8 x PNP inputs, 8 x PNP outputs, 4 x test outputs | 961.00 | 4547648836838 |

DeviceNet safety I/O terminal block family

The DeviceNet safety I/O-terminal DST-MRD has four inputs for safety signals and four safety relay outputs with up to 2A. Four test pulse outputs ensure crosstalk and short-circuit detection of the inputs.

- Removable cage-clamp terminals for easy installation
- 4 inputs for safety signals
- 4 test pulse outputs to ensure crosstalk and short-circuit detection
- 4 relay outputs
- Status LEDs for advanced diagnostics

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 353655 | DST1-MRD08SL-1 | Remote I/O terminal, 4 x PNP inputs, 4 x relay outputs, 4 x test outputs | 1,010.00 | 4547648836845 |

Slim-size safety relay unit family

G9SE-family offers compact units for E-Stop, door and safety monitoring applications. Modules with two or four safety contacts and OFF-delay timing are available on slim-size housing.

- Simple front side wiring using screw-less terminals.
- 17.5 or 22.5 mm width to save mounting space
- 15ms Max. response time
- Safe OFF delay function up to PLe
- Certification for lift standards EN 81-1, EN 81-2
- Up to PLe according to EN ISO 13849-1 and SIL 3 according to EN 61508

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 679415 | G9SE-201 DC24 | Safety relay unit, 24 VDC, 2 safety outputs 5 A max, aux. output | 86.85 | 4549734169332 |
| 679416 | G9SE-221-T05 DC24 | Safety relay unit, 24 VDC, 4 safety outputs 5 A max (2+2 with 5 s off delay), aux. output | 109.70 | 4549734169356 |
| 679413 | G9SE-221-T30 DC24 | Safety relay unit, 24 VDC, 4 safety outputs 5 A max (2+2 with 30 s off delay), aux. output | 109.70 | 4549734169363 |
| 679414 | G9SE-401 DC24 | Safety relay unit, 24 VDC, 4 safety outputs 5 A max, aux. output | 91.25 | 4549734169349 |

Expandable safety relay unit

G9SA-family offers a complete line-up of compact and expandable safety relay units. Modules with safe OFF-delay timing are available as well as a two-hand controller. Simple multiplication of safety contacts is possible by using the connection on the front.

- 45mm-wide housing, expansion units are 17.5mm wide
- Safe OFF-delay timer
- Simple expansion connection
- Certification up to PLe according to EN ISO 13849-1 depending on the application

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|---|-----------|---------------|
| 346855 | G9SA-301 AC/DC24 | Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input | 118.50 | 4547648813945 |
| 347788 | G9SA-301 AC100-240 | Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input | 173.70 | 4547648814058 |
| 346848 | G9SA-321-T075 AC/DC24 | Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 0.5 to 7.5sec 'OFF-delay' category 3 outputs, 1 or 2 channel input | 215.70 | 4547648813969 |
| 347775 | G9SA-321-T075 AC100-240 | Safety relay unit, 3PST-NO (Category 4) 5 A, SPST-NC aux, DPST-NO 0.5 to 7.5sec 'OFF-delay' category 3 outputs, 1 or 2 channel input | 216.20 | 4547648814072 |
| 347783 | G9SA-321-T15 AC/DC24 | Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 1 to 15sec 'OFF-delay' category 3 outputs, 1 or 2 channel input | 215.40 | 4547648813976 |
| 347784 | G9SA-321-T30 AC/DC24 | Safety relay unit, 3PST-NO (Category 4), 5 A, SPST-NC aux, DPST-NO 2 to 30sec 'OFF-delay' category 3 outputs, 1 or 2 channel input | 214.80 | 4547648813983 |
| 346847 | G9SA-501 AC/DC24 | Safety relay unit, 5PST-NO (Category 4), 5 A, SPST-NC aux, 1 or 2 channel input | 167.20 | 4547648813952 |
| 347786 | G9SA-EX301 | Expansion unit for G9SA, 3PST-NO (Category 4), 5 A, SPST-NC aux | 107.70 | 4547648814003 |
| 347785 | G9SA-TH301 AC/DC24 | Two-hand controller, 3PST-NO (Category 4), 5 A, SPST-NC aux, 2 channel input | 130.10 | 4547648813990 |
| 347778 | G9SA-TH301 AC100-240 | Two-hand controller, 3PST-NO (category 4), 5 A, SPST-NC aux, 2 channel input | 154.60 | 4547648814102 |

Slim-size safety unit

G9SB is a family of slender safety relay units, providing two safety contacts in a 17.5mm-wide and three safety contacts in a 22.5mm-wide housing.

- 17.5mm- and 22.5mm-wide housing
- 1- and 2-input channel units
- Manual and automatic reset units
- Certification up to PLe according to EN ISO 13849-1 depending on the application

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 346849 | G9SB-2002-A AC/DC24 | Safety relay unit, DPST-NO (Category 4), 5 A, 2 channel input, auto-reset | 97.15 | 4547648814195 |
| 346850 | G9SB-2002-C AC/DC24 | Safety relay unit, DPST-NO (Category 4), 5 A, 2 channel input, manual-reset | 97.15 | 4547648814218 |
| 347790 | G9SB-200-B AC/DC24 | Safety relay unit, DIN17.5mm, DPST-NO (Category 4), 5 A, 1 or 2 channel input, auto-reset (+ common input) | 86.30 | 4547648814201 |
| 347791 | G9SB-200-D AC/DC24 | Safety relay unit, DIN 17.5mm, DPST-NO (Category 4), 5 A, 1 or 2 channel input, manual-reset (+ common input) | 96.95 | 4547648814225 |
| 346851 | G9SB-3010 DC24 | Safety relay unit, DIN 17.5mm, 3PST-NO (Category 3), SPST-NC aux., 5 A, 2 channel direct breaking input, auto-reset | 102.70 | 4547648814232 |
| 347792 | G9SB-3012-A AC/DC24 | Safety relay unit, 3PST-NO (Category 4), SPST-NC aux., 5 A, 2 channel input, auto-reset | 106.70 | 4547648814249 |
| 346852 | G9SB-3012-C AC/DC24 | Safety relay unit, 3PST-NO (Category 4), SPST-NC aux., 5 A, 2 channel input, manual-reset | 106.70 | 4547648814263 |
| 347793 | G9SB-301-B AC/DC24 | Safety relay unit, DIN 22.5mm, 3PST-NO (Category 4), 5 A, SPST-NC aux., 1 or 2 channel input, auto-reset (+ common input) | 94.95 | 4547648814256 |
| 347794 | G9SB-301-D AC/DC24 | Safety relay unit, DIN 22.5mm, 3PST-NO (Category 4), 5 A, SPST-NC aux., 1 or 2 channel input, manual-reset (+ common input) | 107.00 | 4547648814270 |

Compact safety relay unit family

G9SR family modules operate standalone and as a system with input and output extension. All modules are simple to set up using DIP-switches and provide clear diagnosis via LEDs on the front.

- Three modules for all safety relay unit applications
- Solid-state outputs for long life and high current safety relay outputs
- Detailed LED indications enable easy diagnosis
- Safe on- and off-delay function up to PLe
- Up to PLe according to EN ISO 13949-1 and SIL 3 according to EN 61508

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 395792 | G9SR-AD201-RC | Safety relay unit, 24VDC, 2 safety 5A, aux. output | 146.30 | 4547648989039 |
| 395791 | G9SR-BC201-RC | Safety relay unit, 24VDC, 2 safety 2A max, aux. output | 91.65 | 4547648989022 |
| 395793 | G9SR-EX031-T90-RC | Safety relay unit, 24VDC, output extension, 90s, 3 safety 5A, aux. output | 141.40 | 4547648989046 |



Flexible safety unit

G9SX-family modules can be connected by a logical "AND" function to implement partial/global stopping of a machine. Solid-state outputs, detailed LED diagnosis and clever feedback signals help to keep maintenance easy. The line-up is completed by expansion units with safe timing functions.

- Clear and transparent segmentation of safety functions by use of unique "AND" connection
- Solid-state outputs for long life and relay outputs in extension box available
- Detailed LED indications enable easy diagnosis
- Clever feedback signals for easy maintenance
- Category-4 according to EN954-1 and SIL 3 according to EN 61508

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|---|-----------|---------------|
| 353677 | G9SX-AD322-T15-RC DC24 | Advanced unit (to be used with Basic unit), 3 x NO solid state outputs (1 A), 2 x NO off delay solid state outputs (0-15s), 2 x NO solid state auxs, logic AND output, 1 or 2 channel input, spring mounted terminals | 330.20 | 4547648837026 |
| 353676 | G9SX-AD322-T15-RT DC24 | Advanced unit (to be used with Basic unit), 3 x NO solid state outputs (1 A), 2 x NO off delay solid state outputs (0-15s), 2 x NO solid state auxs, logic AND output, 1 or 2 channel input, screw terminals | 340.40 | 4547648837019 |
| 353679 | G9SX-BC202-RC DC24 | Basic unit, 2 x NO solid state safety outputs (1 A), 2 x NO solid state auxs, 2 logic AND outputs, 1 or 2 channel input, spring mounted terminals | 272.60 | 4547648837040 |
| 353678 | G9SX-BC202-RT DC24 | Basic unit, 2 x NO solid state safety outputs (1 A), 2 x NO solid state auxs, 2 logic AND outputs, 1 or 2 channel input, screw terminals | 272.60 | 4547648837033 |
| 353686 | G9SX-GS226-T15-RT DC24 | Safety guard switching unit with two operation modes, screw terminals | 558.00 | 4547648837194 |
| 353682 | G9SX-NS202-RT DC24 | Non Contact door switch controller for D40A, 2 instantaneous, 2 Aux, Screw terminals, 24DC | 283.90 | 4547648837156 |
| 353685 | G9SX-NSA222-T03-RC DC24 | Safety relais for D40A non-contact switches, 2 semiconductor outputs without delay, 2 semiconductor outputs with up to 3s delay, 2 auxiliary outputs, spring-cage terminals | 433.80 | 4547648837187 |
| 353684 | G9SX-NSA222-T03-RT DC24 | Non Contact door switch controller for D40A, 2 instantaneous, 2 timed, 2 Aux, Screw terminals, 24DC | 433.80 | 4547648837170 |



Safety guard switching unit

The safety controller to support maintenance mode and normal operation mode in a safe way.

- Two operation modes to support auto switching for applications where machine and worker co-operate and manual switching for applications with limitations in operation like maintenance
- Clear LED diagnosis of all in- and outputs
- Applicable up to Category 4 acc. EN 954-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 155443 | A4E-B200HS | Enabling switch, two outputs, horizontal mounting, no rubber seal | 43.52 | 4536854780318 |
| 247806 | A4EG-BM2B041 | Emergency stop switch, enabling grip switch, momentary operation switch (2NO) | 357.20 | 4547648521642 |
| 247804 | A4EG-C000041 | Emergency stop switch, enabling grip switch, 1 NC (grip output) | 281.00 | 4547648477031 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 247808 | A4EG-OP2 | Mounting bracket for securing the A4EG | 61.20 | 4547648477062 |
| 247809 | A4EG-OP3 | A4EG Holding Key | 52.00 | 4547648477079 |

G9SX-SM

Standstill monitoring unit



Standstill monitoring unit with solid state outputs

Safe Standstill monitoring unit based on Back EMF operation for two- and three phase systems.

- Ready to use - covering all standard applications without additional setup
- Easy integration in star- and delta wiring
- Clear LED diagnosis of all in- and outputs
- Applicable up to Category 4 acc. EN 954-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 353669 | G9SX-SM032-RC | Standstill monitoring unit with spring-cage terminals | 772.50 | 4547648837262 |
| 353668 | G9SX-SM032-RT | Standstill monitoring unit with screw terminals | 772.50 | 4547648837255 |



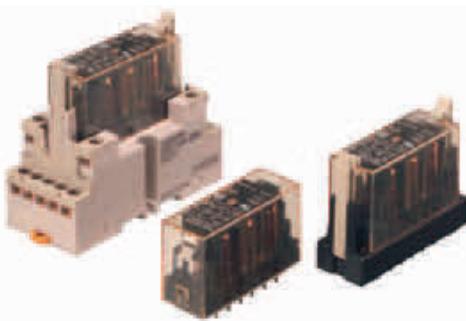
Relays with forcibly guided contacts

The slim G7SA relay family with forcibly guided contacts is available as a four or six-pole type in various contact combinations and offers reinforced insulation. Terminals are arranged for easy PCB layout. It can be soldered directly to a PCB or used together with the P7SA sockets.

- Forcibly guided contacts
- Conforms to EN 50205
- 6 A at 240 VAC and 6 A at 24 VDC for resistive loads
- Reinforced insulation between inputs, outputs and poles
- 4- and 6-pole relays available
- Sockets available with Push-In technology

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 146147 | G7SA-2A2B 24DC | Safety relay, plug-in, DPST-NO, DPST-NC, 6 A, forcibly-guided contacts, 24 VDC | 28.79 | 4536854579691 |
| 121590 | G7SA-3A1B 24DC | Safety relay, plug-in, 3PST-NO, SPST-NC, 6 A, forcible-guided contacts, 24 VDC | 28.79 | 4536854579752 |
| 121592 | G7SA-3A3B 24DC | Safety relay, plug-in, 3PST-NO, 3PST-NC, 6 A, forcible-guided contacts, 24 VDC | 32.27 | 4536854579721 |
| 121591 | G7SA-4A2B 24DC | Safety relay, plug-in, 4PST-NO, DPST-NC, 6 A, forcible-guided contacts, 24 VDC | 32.27 | 4536854579714 |
| 151526 | G7SA-5A1B 24DC | Safety relay, plug-in, 5PST-NO, SPST-NC, 6 A, forcible-guided contacts, 24 VDC | 32.27 | 4536854579707 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 377195 | P7SA-10F-ND DC24 | Socket, DIN rail/surface mounting, 10 pin, screw terminals, for G7SA 4 pole relays, LED indicator | 31.44 | 4548583409071 |
| 677437 | P7SA-10F-ND-PU 24VDC | Socket, DIN rail/surface mounting, 10 pin, push-in terminals, for G7SA 4 pole relays, LED indicator | 30.63 | 4549734136150 |
| 377193 | P7SA-10P | Socket, back connecting, PCB terminals, 10-pin, for G7SA 4 pole relays | 7.86 | 4548583409057 |
| 377196 | P7SA-14F-ND DC24 | Socket, DIN rail/surface mounting, 14 pin, screw terminals, for G7SA 6 pole relays, LED indicator | 31.44 | 4548583409088 |
| 677438 | P7SA-14F-ND-PU 24VDC | Socket, DIN rail/surface mounting, 14 pin, push in terminals, for G7SA 6 pole relays, LED indicator | 30.63 | 4549734136167 |
| 377192 | P7SA-14P | Socket, back connecting, PCB terminals, 14-pin, for G7SA 6 pole relays | 6.91 | 4548583409040 |



Relays with forcibly guided contacts

The slim G7S-__E relay family with forcibly guided contacts is available as a six-pole type in two different contact combinations. Terminals are arranged for easy PCB layout. It can be soldered directly to a PCB or used together with the P7SA sockets.

- Forcibly guided contacts
- Conforms to EN 50205
- NO contacts: 10 A at 250 VAC and 10 A at 30 VDC, NC contacts: 6 A at 250 VAC and 6 A at 30 VDC (for resistive loads)
- Reinforced insulation between inputs and outputs and poles
- 4- and 6-pole relays available

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 121503 | G7S-3A3B-E DC24 | Safety relay, plug-in, 3PST-NO, 3PST-NC, 10 A, forcibly-guided contacts, 24 VDC | 36.38 | 4536854872631 |
| 121504 | G7S-4A2B-E DC24 | Safety relay, plug-in, 4PST-NO, 2PST-NC, 10 A, forcibly-guided contacts, 24 VDC | 36.38 | 4536854872648 |
| 113493 | P7S-14F-END DC24 | Socket, DIN rail/surface mounting, screw terminals, led indicator, for G7S relay | 24.87 | 4536854872655 |

Additional safety

Additional safety

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 308692 | A22TK-2LL-12-K01 | Safety Key Selector Switch, Operation Unit 2LL, DPST-NC + SPST-NO, Key 01 | 180.00 | 4547648715058 |
| 346846 | F3SP-B1P | Control Unit for F3SJ, 3NO + 1NC, (use F39-JC_B double ended cable) | 354.00 | 4547648813402 |
| 149979 | F3SP-U3P-TGR | controller for 2 x E3FS safety photoelectric sensors | 439.80 | 4536853864842 |
| 153354 | F3SP-U5P-TGR | controller for 4 x E3FS safety photoelectric sensors complete with muting function for up to 4 muting sensors | 563.50 | 4536853864866 |
| 679426 | LR5-02KTNK | DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing Buzzer, Black | 42.16 | 4549734932332 |
| 679425 | LR5-02KTNW | DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing Buzzer, Off-white | 42.16 | 4549734932325 |
| 679432 | LR6-E-B | DC 24 V, LED Unit, Blue | 45.52 | 4549734932394 |
| 679431 | LR6-E-G | DC 24 V, LED Unit, Green | 34.91 | 4549734932387 |
| 679434 | LR6-E-R | Modular signal tower, LED modul, Red, 24 VDC | 34.91 | 4549734932417 |
| 679433 | LR6-E-Y | DC 24 V, LED Unit, Amber | 34.91 | 4549734932400 |
| 679430 | LR7-02KTNK | Signal Tower Ø 70 mm LR7 24 VDC Base module Black PNP/NPN | 45.52 | 4549734932370 |
| 679428 | LR7-02KTNU | DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing/Buzzer, Silver | 55.70 | 4549734932356 |
| 679429 | LR7-02KTNW | DC 24 V, Base Unit, Mounting Bracket with knock-outs/Terminal, No Flashing/Buzzer, Off-white | 45.52 | 4549734932363 |
| 679424 | SZP-003U | Circular bracket, Silver. | 11.65 | 4549734932318 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 393975 | ELMON-RAIL-41-322 | Safety relay for safety edge, PL d, 24 VAC/DC, 1 channel input, relay output | 283.30 | 4547648987516 |

Protect your heating application



This temperature monitoring relay was designed specially for monitoring abnormal temperatures to prevent excessive temperature increase and to protect equipment. K8AK-TH provides temperature monitoring in slim design with a width of just 22.5mm.

- Simple function settings using DIP switch>Selectable alarm latch and SV setting protection
- Multi-input support for thermocouple or Pt100 and Pt1000 sensor input
- Change-over relay: fail-safe selectableAlarm status identification with LED

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 378187 | K8AK-TH11S 100-240VAC | Monitoring relay 22.5 mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, One SPDT | 50.45 | 4548583402515 |
| 378188 | K8AK-TH11S 24VAC/DC | Monitoring relay 22.5 mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, One SPDT | 50.45 | 4548583402522 |
| 378189 | K8AK-TH12S 100-240VAC | Monitoring relay 22.5 mm wide, over or under temperature, 0 to 1700 °C/F(minimum setting 10 °C), Thermocouple input type, One SPDT | 50.45 | 4548583402539 |
| 378190 | K8AK-TH12S 24VAC/DC | Monitoring relay 22.5 mm wide, over or under temperature, 0 to 1700 °C/F(minimum setting 10 °C), Thermocouple input type, One SPDT | 50.45 | 4548583402546 |

E5C2

Basic temperature controllers

Easy-to-use, basic temperature controller with analogue dial setting



Omron's basic ON/OFF or PD controller features an analogue setting dial. This compact, low-cost controller has a setting accuracy of 2% of full scale. It incorporates a plug-in socket allowing for DIN-rail or flush mounting.

- Compact, cost-effective controller
- Control mode: ON/OFF or P
- Control output: relay
- Power supply: 100-120 / 200-240VAC
- Thermocouple K: 0 to 1200°C, L: 0 to 400°C, Pt100: -50 to 200°C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------------------|---|-----------|---------------|
| 378352 | E5C2-R20J 100-240VAC 0-400 | Basic temperature controller, 1/16 DIN, 48 x 48 mm,Dial knob,On-Off Control,J-Thermocouple,0-400deg.,100 to 240V AC | 87.40 | 4548583418288 |
| 378343 | E5C2-R20K 100-240VAC 0-1200 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,K-Thermocouple,0-1200deg.,100-240V AC | 97.45 | 4548583418134 |
| 378359 | E5C2-R20K 100-240VAC 0-200 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,K-Thermocouple,0-200deg.,100-240V AC | 107.40 | 4548583418073 |
| 378360 | E5C2-R20K 100-240VAC 0-400 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,K-Thermocouple,0-400deg.,100-240V AC | 108.70 | 4548583418097 |
| 378361 | E5C2-R20K 100-240VAC 0-600 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,K-Thermocouple,0-600deg.,100-240V AC | 108.70 | 4548583418103 |
| 378363 | E5C2-R20P-D 100-240VAC 0-100 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,Pt100,0-100deg.,100-240V AC | 109.00 | 4548583418240 |
| 378364 | E5C2-R20P-D 100-240VAC 0-200 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,Pt100,0-200deg.,100-240V AC | 112.50 | 4548583418325 |
| 378355 | E5C2-R20P-D 100-240VAC 0-300 | Temp. controller, LITE, 1/16 DIN, 48x48mm,Dial knob,On-Off Control,Pt100,0-300deg.,100-240V AC | 108.70 | 4548583418332 |

The easy way to perfect temperature control



This multi-range 1/16 DIN controller with alarm function offers field-selectable PID control or ON/OFF control. The large, single display shows process value, direction of deviation from set point, output and alarm status.

- All setting field configurable with switches
- Multi-input (Thermocouple/Pt100)
- Clearly visible 3.5-digit display with character height of 13.5mm
- Control output: relay, voltage (for driving SSR)
- ON/OFF or 2-PID control with auto-tuning and self-tuning

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------------|--|-----------|---------------|
| 229456 | E5CSV-Q1T-500 100-240 VAC | Temp. controller, LITE, DIN48x48, 12 VDC pulsed output, Thermocouple and RTD(PT100) input, 1 x Alarm OUT, 100-240V AC | 156.10 | 4547648223201 |
| 229458 | E5CSV-Q1TD-500 24VAC/DC | Temp. controller, LITE, DIN48x48, 12 VDC pulsed output, Thermocouple and RTD(PT100) input, 24VAC/VDC supply, 1 x Alarm OUT, 24 VAC/DC | 158.80 | 4547648223171 |
| 229455 | E5CSV-R1T-500 100-240 VAC | Temp. controller, LITE, DIN48x48, SPST relay output, Thermocouple and RTD(PT100) input, 100/240 VAC supply, 1 x Alarm OUT, 100-240V AC | 156.60 | 4547648223195 |
| 229457 | E5CSV-R1TD-500 24VAC/DC | Temp. controller, LITE, DIN48x48, SPST relay output, Thermocouple and RTD(PT100) input, supply, 1 x Alarm OUT, 24VAC/DC | 159.40 | 4547648223218 |

Cost effective performance



The new E5CB represents our dual-display solution in the basic temperature controller segment. With eight models to choose from and all featuring the unique 2-PID control algorithm, this series provides you with the best control available. All models have an alarm relay and auto-tuning as standard.

- Precise control using our unique 2-PID system
- Easy to read from a distance via large 16.2 mm PV display
- Low unit depth (only 60 mm)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 352128 | E5CB-Q1P 100-240 VAC | Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, Pt100, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 100-240 VAC | 128.90 | 4548583012882 |
| 352130 | E5CB-Q1PD 24VAC/DC | Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, Pt100, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 24 VAC/DC | 128.90 | 4548583012905 |
| 352127 | E5CB-Q1TC 100-240 VAC | Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 100-240 VAC | 128.90 | 4548583012875 |
| 352129 | E5CB-Q1TCD 24VAC/DC | Temp. controller, LITE, 1/16DIN (48 x 48mm), 12 VDC pulsed output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 24 VAC/DC | 128.90 | 4548583012899 |
| 352124 | E5CB-R1P 100-240 VAC | Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 100-240 VAC | 128.90 | 4548583012844 |
| 352126 | E5CB-R1PD 24VAC/DC | Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Pt100 RTD input, 1 Alarm Rel., 24 VAC/DC | 128.90 | 4548583012868 |
| 352123 | E5CB-R1TC 100-240 VAC | Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 100-240 VAC | 128.90 | 4548583012820 |
| 352125 | E5CB-R1TCD 24VAC/DC | Temp. controller, LITE, 1/16DIN (48 x 48mm), relay output, ON/OFF or PID Control, Thermocouple input, 1 Alarm Rel., 24 VAC/DC | 128.90 | 4548583012851 |

High performance & simplicity

The next generation E5_C temperature controller is setting a new global standard in terms of precision and user-friendly design. Best control performance, easy set-up and outstanding visibility of the white IP66 LCD display have been integrated into a space-saving housing only 60 mm deep.

- Fast and precise regulation: 50 ms sampling loop period time
- Easy to set up, and operate intuitively via CX-Thermo without power supply
- Best contrast display using white LCD technology which is visible from a far distance and from any angle
- Useful alarm and diagnosis functions for secure operation
- Practical timer and logic operation functions eliminating the need of a PLC
- Additional models with different features are available. Please check related product catalogue.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 374727 | E5AC-CX4A5M-000 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms; 1st out current (lin) | 292.90 | 4548583350236 |
| 374735 | E5AC-CX4A5M-014 | Temp. controller, PRO,1/4 DIN (96x96mm),1x0/4-20mA curr. OUT,4 AUX,EVT. I/P 4,RS-485,Transf. OUT,100-240 VAC | 434.20 | 4548583350311 |
| 374747 | E5AC-PR4A5M-000 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay; 2n out relay;PRR | 343.50 | 4548583350434 |
| 374695 | E5AC-QX4A5M-000 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out 12 VDC | 211.10 | 4548583349919 |
| 374703 | E5AC-RR4A5M-000 | Temperature controller, PRO; 1/4 DIN (96 x 96 mm); t/c & Pt100 & analog;4 alarms;1st out relay; 2nd out relay | 227.60 | 4548583349995 |
| 374687 | E5AC-RX4A5M-000 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay | 219.80 | 4548583349834 |
| 374689 | E5AC-RX4A5M-009 | Temp. controller, PRO,1/4 DIN (96x96mm),1 x Rel. OUT,4 AUX,EVT. I/P 2;RS-485,SSR fail.det./3- PH.,100-240 VAC | 294.90 | 4548583349858 |
| 374691 | E5AC-RX4A5M-010 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay;Event IP (4);HBA;SSR failure | 259.00 | 4548583349872 |
| 374688 | E5AC-RX4D5M-000 | Temp. controller, PRO; 1/4 DIN (96x96 mm); t/c & Pt100 & analog;4 alarms;1st out relay | 219.80 | 4548583349841 |
| 669546 | E5CC-QX2ABM-000 | Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 100-240 VAC | 138.50 | 4548583762343 |
| 669542 | E5CC-QX2ABM-001 | Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 2 x Event input, 100-240 VAC | 163.90 | 4548583762367 |
| 386704 | E5CC-QX2AUM-000 | Temp. controller, PRO, 1/16 DIN (48 x 48 mm), Plugin-type, 2 AUX, 1 x 12 VDC pulse OUT, 100 to 240 VAC | 130.70 | 4548583466678 |
| 669543 | E5CC-QX2DBM-000 | Temperature controller, 1/16DIN (48 x 48mm), 12 VDC pulse output, 2 x auxiliary relay outputs, universal input type, 24 V AC/DC | 138.50 | 4548583762350 |
| 386699 | E5CC-RW2AUM-000 | Ent. Universal 2 Alarmes Saída Relé 100-240Vac 48x48 | 113.10 | 4548583466616 |
| 669534 | E5CC-RX2ABM-000 | Temperature controller, 1/16DIN (48 x 48mm), 1 x relay output, 2 x auxiliary relay outputs, universal input type, 100-240 VAC | 138.50 | 4548583762244 |
| 669552 | E5CC-RX2DBM-000 | Temperature controller, 1/16DIN (48 x 48mm), 1 x relay output, 2 x auxiliary relay outputs, universal input type, 24 V AC/DC | 138.50 | 4548583762251 |
| 377938 | E5DC-CX2DSM-000 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1x0/4-20mA curr. OUT,2 AUX,No cov.,24VAC/DC | 148.20 | 4548583422230 |
| 377942 | E5DC-CX2DSM-015 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1x0/4-20mA curr. OUT,2 AUX,RS-485,No cov.,24VAC/DC | 171.90 | 4548583422278 |
| 377933 | E5DC-QX0ASM-015 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,No AUX,RS-485,No cov.,100-240 VAC | 105.00 | 4548583422186 |
| 377934 | E5DC-QX0DSM-015 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,No AUX,RS-485,No cov.,24VAC/DC | 105.00 | 4548583422193 |
| 377929 | E5DC-QX2ASM-000 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,No cov.,100-240 VAC | 96.15 | 4548583422148 |
| 377931 | E5DC-QX2ASM-002 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,100-240 VAC | 134.00 | 4548583422162 |
| 377930 | E5DC-QX2DSM-000 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,No cov.,24VAC/DC | 96.15 | 4548583422155 |
| 377932 | E5DC-QX2DSM-002 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x 12 VDC pulse OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,24VAC/DC | 134.00 | 4548583422179 |
| 377925 | E5DC-RX0ASM-015 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,No AUX,RS-485,No cov.,100-240 VAC | 105.00 | 4548583422100 |
| 377926 | E5DC-RX0DSM-015 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,No AUX,RS-485,No cov.,24VAC/DC | 105.00 | 4548583422117 |
| 377921 | E5DC-RX2ASM-000 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,No cov.,100-240 VAC | 96.15 | 4548583422063 |
| 377923 | E5DC-RX2ASM-002 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,100-240 VAC | 134.00 | 4548583422087 |
| 377922 | E5DC-RX2DSM-000 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,No cov.,24VAC/DC | 96.15 | 4548583422070 |
| 377924 | E5DC-RX2DSM-002 | Temp. controller, PRO, DIN Rail 22,5mm, Uni. I/P,1 x Rel. OUT,2 AUX,RS-485,Ht. Burnout SSR fail.,No cov.,24VAC/DC | 134.00 | 4548583422094 |
| 356345 | E5EC-CX4A5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,100-240 VAC | 256.00 | 4548583091900 |
| 356347 | E5EC-CX4A5M-004 | Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,EVT. I/P 2,RS-485,100-240 VAC | 313.80 | 4548583091924 |
| 356346 | E5EC-CX4D5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm),1x0/4-20mA curr. OUT,4 AUX,24VAC/DC | 256.00 | 4548583091917 |
| 374773 | E5EC-PR4A5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm),1 x Valve OUT + Pot.,4 AUX,100-240 VAC | 316.60 | 4548583351073 |
| 356337 | E5EC-QR4A5M-000 | Temperature controller, PRO, 1/8 DIN (96 x 48 mm), 1 x 12 VDC pulse/1 x Rel. OUT,4 AUX,100 to 240 VAC | 193.90 | 4548583091825 |
| 356313 | E5EC-QX4A5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm),1 x 12 VDC pulse OUT,4 AUX,100-240 VAC | 178.10 | 4548583091580 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 356315 | E5EC-QX4A5M-009 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, EVT. I/P 2; RS-485, SSR fail. det./3-PH., 100-240 VAC | 222.00 | 4548583091603 |
| 356317 | E5EC-QX4A5M-010 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, EVT. I/P 4, Ht. Burnout SSR fail., 100-240 VAC | 221.80 | 4548583091627 |
| 669557 | E5EC-QX4ABM-000 | Temperature controller, 1/8DIN (48 x 96mm), 12 VDC pulse output, 4 x auxiliary relay outputs, universal input type, 100-240 VAC | 126.60 | 4548583762725 |
| 669582 | E5EC-QX4ABM-008 | Temperature controller, 1/8DIN (48 x 96mm), 12 VDC pulse output, 4 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 2 x Event input, RS485 communications, 100-240 VAC | 157.10 | 4548583762749 |
| 356314 | E5EC-QX4D5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x 12 VDC pulse OUT, 4 AUX, 24VAC/DC | 178.10 | 4548583091597 |
| 356321 | E5EC-RR4A5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm), 2 x Rel. OUT, 4 AUX, 100-240 VAC | 193.90 | 4548583091665 |
| 356305 | E5EC-RX4A5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, 100-240 VAC | 187.20 | 4548583091504 |
| 356309 | E5EC-RX4A5M-010 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 4, Ht. Burnout SSR fail., 100-240 VAC | 224.10 | 4548583091542 |
| 356311 | E5EC-RX4A5M-011 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 6, Rem. SP I/P, Ht. Burnout SSR fail., Transf. OUT, 100-240 VAC | 316.60 | 4548583091566 |
| 669584 | E5EC-RX4ABM-000 | Temperature controller, 1/8DIN (48 x 96mm), 1 x relay output, 4 x auxiliary relay outputs, universal input type, 100-240 VAC | 191.40 | 4548583762565 |
| 669538 | E5EC-RX4ABM-010 | Temperature controller, 1/8DIN (48 x 96mm), 1 x relay output, 4 x auxiliary relay outputs, universal input type, 1 x Heater burnout detection, 4 x Event input, 100-240 VAC | 227.60 | 4548583762602 |
| 356306 | E5EC-RX4D5M-000 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, 24VAC/DC | 187.20 | 4548583091511 |
| 356308 | E5EC-RX4D5M-009 | Temp. controller, PRO, 1/8 DIN (96x48mm), 1 x Rel. OUT, 4 AUX, EVT. I/P 2; RS-485, SSR fail.det./3-PH., 24VAC/DC | 257.80 | 4548583091535 |
| 392142 | E5GC-CX1ACM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1x0/4-20mA curr. OUT, 100-240 VAC | 212.20 | 4548583505469 |
| 392093 | E5GC-QX1A6M-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screw terminals, 1 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC | 174.20 | 4548583505124 |
| 392095 | E5GC-QX1ACM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC | 178.40 | 4548583505148 |
| 392103 | E5GC-QX1DCM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x 12 VDC pulse OUT, 24V AC/DC | 178.40 | 4548583505155 |
| 392127 | E5GC-QX2ACM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 2 AUX, 1 x 12 VDC pulse OUT, 100-240 VAC | 193.70 | 4548583505186 |
| 392088 | E5GC-RX1ACM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x relay OUT, 100-240 VAC | 169.70 | 4548583504820 |
| 392102 | E5GC-RX1DCM-000 | Temp. controller PRO, 1/32 DIN (24x48mm), screwless terminals, 1 AUX, 1 x relay OUT, 24V AC/DC | 164.20 | 4548583504837 |



Next generation of controllers

E5_D is the next generation controllers designed to achieve optimal and automatic temperature control without human intervention.

In fact from now on all typical adjustments made in field by expert are now automated using Artificial Intelligence A.I.

- Adaptive control for self optimization of control setting due to process changes
- Specialized function for better sealing application (packaging) and for watercooled extruders (plastic)
- Draw-out structure for easier maintenance operation
- Same basic specification of E5_C series

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 676834 | E5CD-QX2A6M-000 | Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x 12 VDC pulse OUT, 2 AUX, 100 to 240 VAC | 156.10 | 4549734126267 |
| 676837 | E5CD-QX2D6M-000 | Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x 12 VDC pulse OUT, 2 AUX, 24 VAC/DC | 156.10 | 4549734126298 |
| 676828 | E5CD-RX2A6M-000 | Temp. controller, PRO, 1/16 DIN (48 x 48 mm), 1 x Rel. OUT, 2 AUX, 100 to 240 VAC | 156.10 | 4549734126205 |

E5_C-T

Advanced and multi-loop controllers



Compact and intelligent Ramp/Soak controllers

The E5_C-T Ramp/Soak temperature controllers expands the E5_C family to handle process applications. Capable of addressing up to 6 event inputs and up to 4 auxiliary output all in a compact 60 mm (depth) housing, makes this controller series one of Omron's most powerful and versatile temperature controllers.

- Set up to 8 programs with 32 segments totaling 256 program segments simply via CX-Thermo software.
- The three-level display is visible simultaneously so each process status can be easily identified.
- "Segment Jump" allows users to move directly to the specified segment reducing programming time and increase production throughput.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 385242 | E5CC-TRX3A5M-000 | Temp. controller, PRO, 1/16 DIN (48 x 48 mm), Progr., 3 AUX, 1 x Relay OUT, 100 to 240 VAC | 163.00 | 4548583472914 |

Universal digital process controllers



The new E5_N-H series takes the proven E5_N features to the next level of process control. The N-H-series (E5CN-H, E5EN-H and E5AN-H) has the same ease of installation and operation with the same menu structure as the E5_N series. The E5_N-H has improved accuracy, speed and process control features.

- Same Menu structure as E5_N
- Fast (60ms) and Accurate (0,1%PV)
- Universal inputs & modular outputs
- Setpoint profile programmers (8x32 segments)
- Valve Control

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------------|---|-----------|---------------|
| 246790 | E5AN-HAA2HBM-500 100-240 VAC | Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,Terminal cov.,100-240V AC | 459.50 | 4547648451826 |
| 246764 | E5AN-HAA2HBMD-500 24VAC/DC | Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,Terminal cov.,24V AC/DC | 472.30 | 4547648451901 |
| 246762 | E5AN-HPRR2BM-500 100-240 VAC | Temp. controller, PROplus, 1/4 DIN, (96 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,Terminal cov.,100-240V AC | 497.10 | 4547648451888 |
| 246794 | E5CN-HC2M-500 100-240 VAC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Current OUT,2 x Aux OUT,option unit,100-240V AC | 361.90 | 4547648452724 |
| 246774 | E5CN-HC2MD-500 24VAC/DC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Current OUT,2 x Aux OUT,option unit,24V AC/DC | 391.20 | 4547648452762 |
| 246793 | E5CN-HQ2M-500 100-240 VAC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Pulsed voltage OUT,2 x Aux OUT,option unit,100-240V AC | 314.60 | 4547648452717 |
| 246773 | E5CN-HQ2MD-500 24VAC/DC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Pulsed voltage OUT,2 x Aux OUT,option unit,24V AC/DC | 314.60 | 4547648452755 |
| 246792 | E5CN-HR2M-500 100-240 VAC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Relay Out,2 x Aux OUT,option unit,100-240V AC | 314.90 | 4547648452700 |
| 246795 | E5CN-HR2MD-500 24VAC/DC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Relay Out,2 x Aux OUT,option unit,24V AC/DC | 316.30 | 4547648452748 |
| 352173 | E5CN-HTQ2M-500 100-240 VAC | Temp. controller, PROplus, Ramp/Soak temperature controller, 1/16DIN (48x48mm), universal input (TC, RTD, Linear), SSR driver (12VDC) output, 100-240 VAC | 319.80 | 4548583000520 |
| 352172 | E5CN-HTR2M-500 100-240 VAC | Temp. controller, PROplus, Ramp/Soak temperature controller, 1/16DIN (48 x 48 mm), universal input (TC, RTD, Linear), relay output, 100 to 240 VAC | 341.80 | 4548583000513 |
| 246772 | E5CN-HV2M-500 100-240 VAC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Linear Voltg. OUT,2 x Aux OUT,option unit,100-240V AC | 391.20 | 4547648452731 |
| 246775 | E5CN-HV2MD-500 24VAC/DC | Temp. controller, PROplus,1/16 DIN, (48 x 48)mm,1 x Linear Voltg. OUT,2 x Aux OUT,option unit,24V AC/DC | 391.20 | 4547648452779 |
| 246796 | E5EN-HAA2HBM-500 100-240 VAC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,100-240V AC | 502.00 | 4547648453424 |
| 246782 | E5EN-HAA2HBMD-500 24VAC/DC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,1 x HT Burnout SSR fail.,2 Event I/Ps,option unit,24V AC/DC | 514.00 | 4547648453509 |
| 246777 | E5EN-HAA2HHBFM-500 100-240 VAC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,2 x OUT option,2 x Aux OUT,HT Burnout SSR Fail./3Phs.,Event I/P & Transf. OUT,option unit,100-240V AC | 558.50 | 4547648453448 |
| 246781 | E5EN-HPRR2BFM-500 100-240 VAC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,Event I/P & Transf. OUT,option unit,100-240V AC | 565.00 | 4547648453493 |
| 246797 | E5EN-HPRR2BM-500 100-240 VAC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,100-240V AC | 544.50 | 4547648453486 |
| 246788 | E5EN-HPRR2BMD-500 24VAC/DC | Temp. controller, PROplus, ,1/4 DIN, (48 x 96)mm,Pos. Prop. Control,2 x Aux OUT,2 Event I/Ps,option unit,24V AC/DC | 558.00 | 4547648453561 |



CelciuX^o - Multi-Loop temperature control - Control and Connectivity

CelciuX^o is designed to offer easy program-less communication with Omron and third-party PLCs and HMI. Above all, CelciuX^o (EJ1) incorporates all "simple to use" clever temperature control technology, like 2-PID, disturbance control and various ways of tuning.

- Interfaces to a wide range of industrial networks
- Reduced engineering due to Programm-less communications, Smart Active Parts and Function Block Libraries
- Available with screw terminals and screw-less clamp terminals
- One unit handling various types of input, such as Pt, Thermocouple, mA, and V input

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 225933 | EJ1C-EDUA-NFLK | CelciuX ^o In-panel temperature controller end unit, connects up to 16 x basic & high function units, 24 VDC supply, 1 x RS-485 port (115kbps, CompoWay/F, MODBUS RTU), 1 x programming port, M3 screw terminals | 123.70 | 4547648235457 |
| 243921 | EJ1C-EDUC-NFLK | CelciuX ^o In-panel temperature controller end unit, connects up to 16 x basic & high function units, 24 VDC supply, 1 x RS-485 port (115kbps, CompoWay/F, MODBUS RTU), 1 x programming port, removable screw connector blocks | 111.00 | 4547648510844 |
| 225935 | EJ1N-TC2A-QNHB | CelciuX ^o In-panel temperature controller basic unit, DIN rail mounting, 2 loops, thermocouple/Pt100/analog input, 2 x 12 VDC plus 2 x 30 VDC, 0.1 A NPN outputs, heat, cool, heat/cool, heater burnout alarm, M3 screw terminals | 483.20 | 4547648235310 |
| 225934 | EJ1N-TC4A-QQ | CelciuX ^o In-panel temperature controller basic unit, DIN rail mounting, 4 loops, thermocouple/Pt100/analog input, 4 x 12 VDC outputs, heat, cool, heat/cool, M3 screw terminals | 564.50 | 4547648235297 |
| 225930 | EJ1N-TC4B-QQ | CelciuX ^o In-panel temperature controller basic unit, DIN rail mounting, 4 loops, thermocouple/Pt100/analog input, 4 x 12 VDC outputs, heat, cool, heat/cool, screwless clamp terminals | 564.50 | 4547648235303 |

E52-EL

Temperature sensors

Temperature sensors for basic applications



The E52-EL Lite Line provides best price/performance for basic applications. These models include the most popular housing and connection types.

- Best value for the money based on design and accuracy
- Wide range covering the most popular housing and connection models

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 374422 | E52-ELP4-50-2-A | Temperature sensor, Pro, smooth tube, PT100, class B, dia. 4, 50, AISI 316, pre-wired with open cable ends 2 m | 29.14 | 4547648954815 |
| 374644 | E52-ELP5-100-2-A | Temperature sensor, Lite, smooth tube, PT100, class B, dia 5, 100 mm, 304SS, pre-wired with cable end shoes 2 m | 22.94 | 4547648955591 |
| 374643 | E52-ELP5-50-2-A | Temperature sensor, Lite, smooth tube, PT100, class B, dia 5, 50mm, 304SS, pre-wired with cable end shoes 2 m | 22.61 | 4547648955584 |
| 374423 | E52-ELP6-100-2-A | Temperature sensor, Pro, smooth tube, PT100, class B, dia. 6, 100, SUS 304, pre-wired with open cable ends 2 m | 27.99 | 4547648954822 |
| 374645 | E52-ELP6-50-2-A | Temperature sensor, Lite, smooth tube, PT100, 0 .. +400°C, class B, dia. 6, 50 mm, 304SS, pre-wired with TTS cable end shoes 2 m | 27.99 | 4547648955607 |
| 374412 | E52-ELTJ6-100-2-A | Temperature sensor, Lite, smooth tube, Thermocouple, J, dia. 6, 100 mm, 304SS, pre-wired with cable end shoes 2 m | 17.40 | 4547648954716 |



Temperature sensors for standard applications

E52-E temperature sensors and thermocouples provide accurate temperature sensing for standard and challenging environments and include a wide range of mounting and connection options. For best control results, the E52-E series is optimized to operate perfectly with suitable E5_ temperature controllers.

- Thermocouples and PT100 elements
- Wide range of housing, mounting and connection options
- Best performance match with temperature controllers from the E5_ portfolio

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 368861 | E52-CA1DY M6 1M | Temp. sensor, M6 type, Thermocouple K, 0-400 deg., SUS304, pre-wired, 1m | 36.18 | 4548583099791 |
| 368862 | E52-CA1DY M6 2M | Temp. sensor, M6 type, Thermocouple K, 0-400 deg., SUS304, pre-wired, 2m | 33.60 | 4548583099807 |
| 368846 | E52-CA35AY D=1.6 2M | Temp. sensor, Smooth tube, Thermocouple K, 0-650 deg., dia. 1.6, 350mm, ASTM316L, pre-wired, 2m | 79.15 | 4548583098688 |
| 374374 | E52-EACC-KF1-B | Temp. sensor accessory, compensation connector, female, K, thermoplastic | 10.03 | 4547648954334 |
| 374373 | E52-EACC-KM1-B | Temp. sensor accessory, compensation connector, male, K, thermoplastic | 11.65 | 4547648954327 |
| 374342 | E52-EP3-250-2-B | Temperature sensor, Pro, smooth tube, PT100, class B, dia 3mm, 250mm, AISI 316, pre-wired with open cable ends 2m | 81.50 | 4547648954013 |
| 374350 | E52-EP6-100-2-B | Temperature sensor, Pro, smooth tube, PT100, class B, dia 6, 100mm, AISI 316, pre-wired with open cable ends 2m | 33.54 | 4547648954099 |
| 374352 | E52-EP6-35-2-BG1/4G-B | Temperature sensor, Pro, bajonet mounting, PT100, class B, dia 6, 35mm, AISI 316, pre-wired with open cable ends 2m | 50.60 | 4547648954112 |
| 374348 | E52-ETJS1-B | Temperature sensor, Pro Plus, Surface temp, Thermocouple, J, dia 10, dia 4mm screw hole, Cu-Stg, pre-wired with open cable ends | 20.30 | 4547648954075 |
| 375791 | E52-P20C-N D=8 | Temp. Sensor, Enclosed terminals, Pt100 class B, -200-450deg., dia. 3.2mm, 200mm, SUS 304 | 209.90 | 4548583324510 |



Achieve low-cost measurements with an infrared thermosensor

This infrared thermosensor provides an accurate, stable and cost-effective way to measure the temperature of objects. It behaves just like a standard K-type thermocouple, which enables it to operate with any temperature controller or alarm unit.

- Cost-effective infrared thermosensor
- Contactless, meaning no deterioration, unlike thermocouples
- 4 temperature ranges available: 10-70°C, 60-120°C, 115-165°C and 140-260°C
- Response speed 300 ms

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|-----------------------------------|-----------|---------------|
| 171655 | ES1B 10-70C | Infrared Thermosensor 10 to 70°C | 355.00 | 4547648047654 |
| 171656 | ES1B 60-120C | Infrared Thermosensor 60 to 120°C | 358.40 | 4547648047661 |



Achieve superior environmental resistance and a wide measurement range of 0 to 400°C

This infrared thermosensor provides a fast, accurate and very stable way to measure the temperature of objects. Its output provides a universal 4-20 mA signal, which enables it to operate with many temperature controllers or PLCs.

- Flexible placement with slim cylindrical shape and long focus with a distance of 500 mm and area diameter of 80 mm.
- The SUS body and silicon lens resist ambient operating temperatures of up to 70°C and resist dust and water to the equivalent of IP67.
- Fast measurement with high-speed response of 100 ms/90%.
- Strong resistance to noise with output of 4 to 20 mA.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 267944 | EJ1C-A40 | Temperature sensor, non-contact infrared, M18, 0-400°C | 690.00 | 4547648644242 |

EJ1N-HFU-ETN

Auxiliaries

Connect Modbus slaves to ETHERNET



The EJ1N-HFU-ETN provides the solution to connect a CelciuX° (EJ1) in-panel multi-loop PID controller to PROFINET and Modbus/TCP. Although built on the CelciuX° (EJ1) platform, this unit can be used as a gateway for discrete Modbus units when only using the EJ1N-EDU endplate.

- Connects Modbus serial slaves to PROFINET and Modbus/TCP.
- Built for integration into the CelciuX° (EJ1).
- Usable as a gateway for discrete units like E5_N-series temperature controllers and MX2 inverters.
- Flexible implementation with standard .gsd file.
- Ethernet/IP gateway just for EJ1N-TC2 cards: up to 24 EJ1N-TC2 connectable (48 loops in total).

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 355917 | EJ1N-HFU-ETN | Ethernet to Serial Gateway, Connect PROFINET or Modbus/TCP master to any Modbus-RTU slave (special support for CelciuX(EJ1), E5_N and MX2) | 570.50 | 4548583072527 |

Omron's intelligent PROFIBUS and CompoWay/F gateway



This gateway supports all CompoWay/F equipped products, including temperature controllers, digital panel indicators, etc. It can also be used for connecting MCW151-E and E5_K series.

- Cost-effectively integrates basic instruments into a PROFIBUS network
- Requires no complex protocol conversion writing
- Has function blocks for drag-and-drop configuration
- Connects up to 15 instruments to a single PROFIBUS point

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 180927 | PRT1-SCU11 | Gateway unit, converts PROFIBUS DP to Host Link/Compoway-F | 652.50 | 4547648089951 |

Additional temperature controllers

Additional temperature controllers

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 129693 | E53-AKB | option unit for E5AK/EK/EN, event input, 2 points | 86.55 | 4536853362850 |
| 129680 | E53-C3 | Output unit for E5A/E J/K, linear 4-20mA, 600 Ohm, 12-bit | 79.05 | 4536853362560 |
| 246554 | E53-C3N | Output unit for E5A/EN-H, 4-20 mA linear output | 70.65 | 4547648476881 |
| 243821 | E53-CN01N2 | E5CN-H option board- RS-232C communications, **only compatible with new E5CN-H models** | 63.15 | 4547648463607 |
| 243809 | E53-CN03N2 | E5CN-H option board- RS-485 communications, **only compatible with new E5CN-H models** | 62.90 | 4547648463485 |
| 243819 | E53-CNBFN2 | E5CN-H plug-in option card, event input & transfer output | 152.70 | 4547648463584 |
| 243808 | E53-CBN2 | E5CN-H option board- Event inputs, **only compatible with new E5CN-H models** | 29.90 | 4547648463478 |
| 243806 | E53-CNHB2 | E5CN-H option board- heater burnout/SSR failure detection and event inputs, **only compatible with new E5CN-H models** | 52.20 | 4547648463454 |
| 243805 | E53-COV17 | Terminal cover | 5.60 | 4547648476072 |
| 353953 | E53-COV19 | E5CB Terminal cover | 13.17 | 4547648841894 |
| 182424 | E53-EN03 | Communication unit for E5AK/EK/AN/EN, RS-485 | 89.45 | 4547648142410 |
| 105481 | E53-Q | Output unit for E5A/E J/K/X, 40mA 12VDC, NPN | 25.71 | 4536853362522 |
| 142183 | E53-Q4 | Output unit for E5A/E J/K, 20mA, 24VDC, PNP | 22.70 | 4536853362553 |
| 246553 | E53-QN | Output unit for E5A/EN-H, 12 VDC voltage output | 25.25 | 4547648476874 |
| 129678 | E53-R | Output unit for E5A/E J/K/X, SPST-NO, 5A relay | 10.60 | 4536853362508 |
| 246558 | E53-RN | Output unit for E5A/EN-H, relay output | 11.08 | 4547648488488 |
| 148624 | E53-V34 | Output unit for E5A/E J/K, linear 0-10VDC, 12-bit | 99.75 | 4536853362614 |
| 246556 | E53-V34N | Output unit for E5A/EN-H, 0-10 V linear output | 70.95 | 4547648476904 |
| 103241 | E54-CT1 | Current transformer for heater burnout detection (5.8mm dia) | 29.26 | 4536853363079 |
| 176286 | E58-CIFQ1 | E5CN accessory, quick link programming cable for the E5_N and CelciuX (EJ1) range, allows direct connection without requirement for communications card. USB connection to PC/Laptop and special connector for controller, Includes USB driver | 347.00 | 4547648103459 |
| 353471 | E58-CIFQ2 | E5CB & E5CC and E5EC* accessory, quick link programming cable, allows direct USB connection without requirement for communications card or power supply. Also the display will be powered (CX-Thermo v4.4 is needed). *For E5EC front connection. | 306.90 | 4548583020627 |
| 356821 | E58-CIFQ2-E | Quick link front adapter for E5EC | 101.90 | 4548583097667 |
| 104661 | Y92F-45 | Panel adaptor, 48 x 48 device into 67 x 67 hole | 37.11 | 4536854618567 |
| 372111 | Y92F-52 | DIN mounting adapter for E5CC | 15.71 | 4548583318373 |



Switch Mode Power Supply S8VK-X

EtherNet/IP, Modbus TCP-Compatible Maximizing System Availability Through the Connecting of Equipment to IoT

- Product replacement time, output voltage, output current, and more are acquired on the network and can be managed all at once. Product status can be checked on-site using the indication monitor.
- Operation possible at ambient temperatures from -40 to 70°C.
- Power Boost function at 150% (240 and 480 W)
- Side-by-side mounting possible (up to 55°C)
- UL Class 2 conformance (90 W or less)
- Complies with EN/IEC 61558-2-16
- Coated PCBs for better resistance to environment

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 680581 | S8VK-X03005-EIP | Book type power supply, 30 W, 5 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 120.20 | 4549734172752 |
| 680586 | S8VK-X06012-EIP | Book type power supply, 60 W, 12 VDC, 4.5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 125.80 | 4549734172769 |
| 680578 | S8VK-X06024-EIP | Book type power supply, 60 W, 24 VDC, 2.5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 125.80 | 4549734172776 |
| 680584 | S8VK-X09024A-EIP | Book type power supply, 90 W, 24 VDC, 3.75 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility | 170.30 | 4549734172714 |
| 680585 | S8VK-X12024A-EIP | Book type power supply, 120 W, 24 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility | 187.30 | 4549734172721 |
| 680579 | S8VK-X12024-EIP | Book type power supply, 120 W, 24 VDC, 5 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 158.90 | 4549734172790 |
| 680577 | S8VK-X24024A-EIP | Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility | 269.40 | 4549734172738 |
| 680583 | S8VK-X24024-EIP | Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 241.20 | 4549734172806 |
| 680580 | S8VK-X48024A-EIP | Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, display, Ethernet IP / Modbus TCP compatibility | 354.70 | 4549734172745 |
| 680576 | S8VK-X48024-EIP | Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, Ethernet IP / Modbus TCP compatibility | 326.50 | 4549734172813 |



Switch mode power supply

A perfect fit for small control panels.

- Operation possible at ambient temperatures from -40 to 70°C
- DC input supported (90 to 350 VDC)
- Power boost function at 120% (60 W and 120 W)
- Power boost function at 150% (240 W and 480 W)
- Undervoltage alarm (240 W and 480 W)
- Side-by-side mounting possible (up to 55°C)
- Vibration resistance to 5G, and 300-VAC abnormal input voltage supported for 1 second.
- PCB coating protects against dust, corrosive gas and humidity.
- Certification for 3000m altitude
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 675333 | S8VK-S03024 | Book type power supply, 30 W, 24 VDC, 1.3A, DIN rail mounting, Push-in terminal, Coated | 35.73 | 4549734134620 |
| 669508 | S8VK-S06024 | Book type power supply, 60 W, 24VDC, 2.5A, DIN rail mounting, Push-in terminal, Coated | 41.86 | 4548583761117 |
| 669511 | S8VK-S12024 | Book type power supply, 120 W, 24VDC, 5A, DIN rail mounting, Push-in terminal, Coated | 60.30 | 4548583761124 |
| 672485 | S8VK-S24024 | Book type power supply, 240 W, 24 VDC, 10 A, DIN rail mounting, Push-in terminal, Coated, undervoltage alarm | 117.30 | 4548583761131 |
| 672486 | S8VK-S48024 | Book type power supply, 480 W, 24 VDC, 20 A, DIN rail mounting, Push-in terminal, Coated, undervoltage alarm | 179.40 | 4548583761148 |

The cost effective book type power supply



The S8VK-C Lite family is an ideal choice for cost-sensitive applications that require a dependable high-quality power supply. The family is available with power ratings from 60 W to 480 W.

- Operating temperature range of -25° to +60°C
- Double set of DC output terminals (three for the negative) provide easy wiring
- Universal input capability, 100 to 240 VAC and 90 to 350 VDC
- Conforms to EN61204-3, EN55011 Class A
- Improved DIN-rail mounting clip provides a better resistance to vibrations and allows easy installation (using one hand to mount in a flash)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 375666 | S8VK-C06024 | Book type power supply, Lite, 60 W, 24VDC, 2.5A, DIN rail mounting | 24.97 | 4548583357907 |
| 375667 | S8VK-C12024 | Book type power supply, Lite, 120 W, 24VDC, 5A, DIN rail mounting | 36.11 | 4548583357914 |
| 375668 | S8VK-C24024 | Book type power supply, Lite, 240 W, 24VDC, 10A, DIN rail mounting | 64.70 | 4548583357921 |
| 375669 | S8VK-C48024 | Book type power supply, Lite, 480 W, 24VDC, 20A, DIN rail mounting | 113.60 | 4548583357938 |

The right power supply for your application



The S8VK-G offers a wide product range (from 15W up to 480W), in a very compact size. It is 13% smaller than comparable power supplies and the smallest on the market of its type.

- Wide operating temperature range (-40 to +70°C) to guarantee operation stability
- Double set of DC output terminals (three for the negative) to provide easy wiring
- High efficiency (90%) to reduce energy consumption
- Power Boost functionality (120%)
- Improved DIN-rail mounting clip to provide better vibration resistance and allow for easy installation

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 374164 | S8VK-G01505 | Book type power supply, Pro, 15 W, 5VDC, 3A, DIN rail mounting | 27.82 | 4548583357648 |
| 374165 | S8VK-G01512 | Book type power supply, Pro, 15 W, 12 VDC, 1.2A, DIN rail mounting | 27.05 | 4548583357655 |
| 374166 | S8VK-G01524 | Book type power supply, Pro, 15 W, 24VDC, 0.65A, DIN rail mounting | 27.87 | 4548583357662 |
| 374167 | S8VK-G03005 | Book type power supply, Pro, 30 W, 5VDC, 5A, DIN rail mounting | 34.56 | 4548583357679 |
| 374168 | S8VK-G03012 | Book type power supply, Pro, 30 W, 12 VDC, 2.5A, DIN rail mounting | 33.34 | 4548583357686 |
| 374169 | S8VK-G03024 | Book type power supply, Pro, 30 W, 24VDC, 1.3A, DIN rail mounting | 33.34 | 4548583357693 |
| 374170 | S8VK-G06012 | Book type power supply, Pro, 60 W, 12 VDC, 4.5A, DIN rail mounting | 38.86 | 4548583357709 |
| 374171 | S8VK-G06024 | Book type power supply, Pro, 60 W, 24VDC, 2.5A, DIN rail mounting | 38.86 | 4548583357716 |
| 374869 | S8VK-G12024 | Book type power supply, Pro, 120 W, 24VDC, 5A, DIN rail mounting | 58.95 | 4548583357723 |
| 374870 | S8VK-G24024 | Book type power supply, Pro, 240 W, 24VDC, 10A, DIN rail mounting | 98.70 | 4548583357730 |
| 374871 | S8VK-G24048 | Book type power supply, Pro, 240 W, 48VDC, 5A, DIN rail mounting | 98.70 | 4548583357747 |
| 374872 | S8VK-G48024 | Book type power supply, Pro, 480 W, 24VDC, 20A, DIN rail mounting | 137.10 | 4548583357754 |
| 374873 | S8VK-G48048 | Book type power supply, Pro, 480 W, 48VDC, 10A, DIN rail mounting | 137.10 | 4548583357761 |



Power Supply with a display

The S8VS-A/B series are AC to DC Power supplies with a display of output voltage, output current, and peak hold current. The A type S8VS has a function to show the maintenance forecast time in operational years. This will contribute to the equipment maintenance and allow for replacement before the end of product life. The B type has a function of total run time monitor to allow the user to properly schedule equipment maintenance.

- Operating temperature range (-10 to +60°C)
- The 3 digit, 7 segment display
- The alarm output(Transistor:PNP, NPN)
- The screwless terminal type is available
- cULus, EN, RoHS compliant
- UL Class 2 output(60W and 90W)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 324848 | S8VS-01505 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 10 W, 5 VDC, 2.0 A output | 99.30 | 4547648711555 |
| 324268 | S8VS-01512 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 15 W, 12 VDC, 1.2 A output | 99.30 | 4547648711562 |
| 307948 | S8VS-01524 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 15 W, 24 VDC, 0.65 A output | 99.30 | 4547648711579 |
| 324849 | S8VS-03005 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 20 W, 5 VDC, 4 A output | 125.40 | 4547648711586 |
| 323512 | S8VS-03012 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 30 W, 12 VDC, 2.5 A output | 126.40 | 4547648711593 |
| 325147 | S8VS-03024 | Power supply, plastic case, 22.5 mm wide DIN rail or direct panel mounting, 100/240 VAC supply, 30 W, 24 VDC, 1.3 A output | 126.40 | 4547648711609 |
| 247532 | S8VS-06024 | Power supply, 60 W, 100-240 VAC input, 24 VDC, 2.5 A output, DIN rail mounting, basic model | 173.30 | 4547648419352 |
| 281057 | S8VS-06024A | Power supply, 60 W, 100 to 240 VAC input, 24VDC 2.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function | 234.80 | 4547648639927 |
| 281059 | S8VS-06024B | Power supply, 60 W, 100-240 VAC input, 24 VDC, 2.5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function | 188.50 | 4547648639941 |
| 247534 | S8VS-09024 | Power supply, 90W, 100-240 VAC input, 24 VDC 3.75A output, DIN rail mounting, basic model | 226.70 | 4547648419369 |
| 281058 | S8VS-09024A | Power supply, 90W, 100-240 VAC input, 24 VDC 3.75A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 282.70 | 4547648639934 |
| 281069 | S8VS-09024AP | Power supply, 90 W, 100 to 240 VAC input, 24 VDC 3.75A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 267.00 | 4547648640046 |
| 247535 | S8VS-12024 | Power supply, 120 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, basic model | 272.10 | 4547648419376 |
| 281061 | S8VS-12024A | Power supply, 120 W, 100 to 240 VAC input, 24VDC 5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 340.50 | 4547648639965 |
| 281071 | S8VS-12024AP | Power supply, 120 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and forecast monitoring function with settable alarm point | 276.30 | 4547648640060 |
| 281062 | S8VS-12024B | Power supply, 120 W, 100 to 240 VAC input, 24 VDC 5A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point | 313.70 | 4547648639972 |
| 281072 | S8VS-12024BP | Power supply, 240 W, 100-240 VAC input, 24 VDC, 5 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point | 306.80 | 4547648640077 |
| 247536 | S8VS-18024 | Power supply, 180W, 100-240 VAC input, 24 VDC 7.5A output, DIN rail mounting, basic model | 379.60 | 4547648419383 |
| 281065 | S8VS-18024A | Power supply, 180W, 100-240 VAC input, 24 VDC 7.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 448.00 | 4547648640008 |
| 281073 | S8VS-18024AP | Power supply, 180W, 100-240VAC input, 24VDC 7.5A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 481.10 | 4547648640084 |
| 247537 | S8VS-24024 | Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, basic model | 472.10 | 4547648419390 |
| 281063 | S8VS-24024A | Power supply, 240W, 100/240 VAC input, 24VDC 10A output, DIN rail mounting, digital display with running voltage and current, peak current, and maintenance monitor function with settable alarm point | 574.00 | 4547648639989 |
| 281067 | S8VS-24024AP | Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, digital display running voltage and current, peak current, and forecast monitoring function with settable alarm point | 552.00 | 4547648640022 |
| 281064 | S8VS-24024B | Power supply, 240 W, 100 to 240 VAC input, 24VDC 10 A Output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point | 474.10 | 4547648639996 |
| 281068 | S8VS-24024BP | Power supply, 240 W, 100-240 VAC input, 24 VDC, 10 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point | 481.10 | 4547648640039 |
| 333444 | S8VS-48024A | Power supply, 480 W, 100 to 240 VAC input, 24 VDC, 20 A output, DIN rail mounting, digital display running voltage and current, peak current, and forecast monitoring function with settable alarm point | 585.50 | 4547648711661 |
| 333445 | S8VS-48024B | Power supply, 480 W, 100 to 240 VAC input, 24 VDC, 20 A output, DIN rail mounting, digital display with running voltage and current, peak current, and total run time function with settable alarm point | 555.50 | 4547648711678 |

Power Supply with the circuit protector function



The S8AS series are smart power supplies with digital circuit protectors in a single package. The output is divided to 6 or 8 channels and provides adjustable tripping current range for each channel at 0.1 A increments. It can save installation space in panel with less-wiring by the integration of the circuit protector functions.

- Operating temperature range (-10 to +60°C)
- The 3 digit, 7 segment display
- Signal outputs for Tripping function and the alarms
- Maintenance forecast
- Start-up & Shut down sequence
- External tripping input
- Communication terminal, RS-485
- cULus, EN, RoHS compliant
- UL Class 2 output

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 356597 | S8AS-24006 | Power supply, 240W, 24VDC, 6 branch output | 1,535.00 | 4547648711289 |

High reliability at a reasonable price



The S8FS-C Lite family of metal framed power supplies is our best standard power supply for material cost reduction. S8FS-C has high reliability. The range covers up to 350 W and is available with 5, 12, 15, 24, 36 or 48 VDC output voltages.

- **Wide range in wattage (15, 25, 35, 50, 75, 100, 150, 200, 350 W) and DC-output voltage (5, 12, 15, 24, 36 or 48 VDC)**
- Wide input ranges: 100 to 120 VAC and 200 to 240 VAC
- Overload, over-voltage and short circuit protection
- Easy mounting to DIN-rail with mounting brackets (sold separately)
- Global standards: Conforms to CE (all models), approved for UL (all models) and CCC (15 to 150 W models)
- EMI EN 55011 Class B compliant (15 to 150 W models)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 668800 | S8FS-C01505J | Power supply, 15 W, 100-240 VAC input, 5 VDC, 3 A output, Front terminal | 10.92 | 4548583751286 |
| 668734 | S8FS-C01512J | Power supply, 15 W, 100-240 VAC input, 12 VDC, 1.3 A output, Front terminal | 10.92 | 4548583751293 |
| 668755 | S8FS-C01524J | Power supply, 15 W, 100-240 VAC input, 24 VDC, 0.7 A output, Front terminal | 10.92 | 4548583751316 |
| 668806 | S8FS-C02505J | Power supply, 25 W, 100-240 VAC input, 5 VDC, 5 A output, Front terminal | 12.64 | 4548583751330 |
| 668777 | S8FS-C02512 | Power supply, 25 W, 100-240 VAC input, 12 VDC, 2.1 A output, Upper terminal | 12.46 | 4548583741522 |
| 668812 | S8FS-C02512J | Power supply, 25 W, 100-240 VAC input, 12 VDC, 2.1 A output, Front terminal | 12.46 | 4548583751347 |
| 668788 | S8FS-C02515J | Power supply, 25 W, 100-240 VAC input, 15 VDC, 1.7 A output, Front terminal | 12.54 | 4548583751354 |
| 668782 | S8FS-C02524 | Power supply, 25 W, 100 to 240 VAC input, 24 VDC, 1.1 A output, Upper terminal | 12.46 | 4548583741546 |
| 668760 | S8FS-C02524J | Power supply, 25 W, 100-240 VAC input, 24 VDC, 1.1 A output, Front terminal | 12.46 | 4548583751361 |
| 668742 | S8FS-C03505J | Power supply, 35 W, 100-240 VAC input, 5 VDC, 7 A output, Front terminal | 13.40 | 4548583751385 |
| 668770 | S8FS-C03512 | Power supply, 35 W, 100-240 VAC input, 12 VDC, 3 A output, Upper terminal | 13.40 | 4548583741560 |
| 668764 | S8FS-C03512J | Power supply, 35 W, 100-240 VAC input, 12 VDC, 3 A output, Front terminal | 13.40 | 4548583751392 |
| 668793 | S8FS-C03524 | Power supply, 35 W, 100 to 240 VAC input, 24 VDC, 1.5 A output, Upper terminal | 13.40 | 4548583741584 |
| 668731 | S8FS-C03524J | Power supply, 35 W, 100-240 VAC input, 24 VDC, 1.5 A output, Front terminal | 13.40 | 4548583751415 |
| 668763 | S8FS-C05005J | Power supply, 50 W, 100-240 VAC input, 5 VDC, 10 A output, Front terminal | 14.96 | 4548583751439 |
| 668722 | S8FS-C05012 | Power supply, 50 W, 100-240 VAC input, 12 VDC, 4.2 A output, Upper terminal | 14.96 | 4548583741607 |
| 668802 | S8FS-C05012J | Power supply, 50 W, 100-240 VAC input, 12 VDC, 4.2 A output, Front terminal | 14.96 | 4548583751446 |
| 668798 | S8FS-C05024 | Power supply, 50 W, 100-240 VAC input, 24 VDC, 2.2 A output, Upper terminal | 14.96 | 4548583741621 |
| 668786 | S8FS-C05024J | Power supply, 50 W, 100-240 VAC input, 24 VDC, 2.2 A output, Front terminal | 14.96 | 4548583751460 |
| 668750 | S8FS-C07512 | Power supply, 75 W, 100 to 240 VAC input, 12 VDC, 6.2 A output, Upper terminal | 18.70 | 4548583741652 |
| 668789 | S8FS-C07512J | Power supply, 75 W, 100-240 VAC input, 12 VDC, 6.2 A output, Front terminal | 18.70 | 4548583751491 |
| 668817 | S8FS-C07524 | Power supply, 75 W, 100 to 240 VAC input, 24 VDC, 3.2 A output, Upper terminal | 17.13 | 4548583741676 |
| 668754 | S8FS-C07524J | Power supply, 75 W, 100-240 VAC input, 24 VDC, 3.2 A output, Front terminal | 17.13 | 4548583751514 |
| 668771 | S8FS-C10012 | Power supply, 100 W, 100-240 VAC input, 12 VDC, 8.5 A output, Upper terminal | 20.24 | 4548583741706 |
| 668756 | S8FS-C10012J | Power supply, 100 W, 100-240 VAC input, 12 VDC, 8.5 A output, Front terminal | 20.24 | 4548583751545 |
| 668804 | S8FS-C10024 | Power supply, 100 W, 100-240 VAC input, 24 VDC, 4.5 A output, Upper terminal | 20.24 | 4548583741720 |
| 668732 | S8FS-C10024J | Power supply, 100 W, 100-240 VAC input, 24 VDC, 4.5 A output, Front terminal | 20.24 | 4548583751569 |
| 668776 | S8FS-C10036J | Power supply, 100 W, 100-240 VAC input, 36 VDC, 2.8 A output, Front terminal | 20.24 | 4548583751576 |
| 668752 | S8FS-C10048J | Power supply, 100 W, 100-240 VAC input, 48 VDC, 2.3 A output, Front terminal | 20.24 | 4548583751583 |
| 668780 | S8FS-C15012 | Power supply, 150 W, 100-240 VAC input, 12 VDC, 12.5 A output, Upper terminal | 23.35 | 4548583741768 |
| 668737 | S8FS-C15012J | Power supply, 150 W, 100-240 VAC input, 12 VDC, 12.5 A output, Front terminal | 23.35 | 4548583751613 |
| 668785 | S8FS-C15024 | Power supply, 150 W, 100 to 240 VAC input, 24 VDC, 6.5 A output, Upper terminal | 23.35 | 4548583741782 |
| 668751 | S8FS-C15024J | Power supply, 150 W, 100-240 VAC input, 24 VDC, 6.5 A output, Front terminal | 23.35 | 4548583751637 |
| 668784 | S8FS-C20012 | Power supply, 200 W, 100 to 240 VAC input, 12 VDC, 17 A output, Upper terminal | 34.24 | 4548583741829 |
| 668787 | S8FS-C20012J | Power supply, 200 W, 100-240 VAC input, 12 VDC, 17 A output, Front terminal | 34.24 | 4548583751675 |
| 668729 | S8FS-C20024 | Power supply, 200 W, 100 to 240 VAC input, 24 VDC, 8.8 A output, Upper terminal | 34.24 | 4548583741836 |
| 668762 | S8FS-C20024J | Power supply, 200 W, 100-240 VAC input, 24 VDC, 8.8 A output, Front terminal | 34.24 | 4548583751682 |
| 668805 | S8FS-C20048 | Power supply, 200 W, 100-240 VAC input, 48 VDC, 4.43 A output, Upper terminal | 34.24 | 4548583741850 |
| 668775 | S8FS-C20048J | Power supply, 200 W, 100-240 VAC input, 48 VDC, 4.43 A output, Front terminal | 34.24 | 4548583751705 |
| 668803 | S8FS-C35012 | Power supply, 350 W, 100-240 VAC input, 12 VDC, 29 A output, Upper terminal | 49.82 | 4548583741874 |
| 668766 | S8FS-C35012J | Power supply, 350 W, 100-240 VAC input, 12 VDC, 29 A output, Front terminal | 49.82 | 4548583751729 |
| 668810 | S8FS-C35024 | Power supply, 350 W, 100-240 VAC input, 24 VDC, 14.6 A output, Upper terminal | 49.82 | 4548583741881 |
| 668733 | S8FS-C35024J | Power supply, 350 W, 100-240 VAC input, 24 VDC, 14.6 A output, Front terminal | 49.82 | 4548583751736 |
| 668718 | S8FS-C35048 | Power supply, 350 W, 100 to 240 VAC input, 48 VDC, 7.32 A output, Upper terminal | 49.82 | 4548583741904 |
| 668813 | S8FS-C35048J | Power supply, 350 W, 100-240 VAC input, 48 VDC, 7.32 A output, Front terminal | 49.82 | 4548583751750 |



Superior basic performance that ensures reliability. Wide range of standards certification and greater usability.

- Superior basic performance that ensures reliability Ambient temperatures up to 70°C, greater resistance to rusting with aluminum/stainless steel case, and applications at altitudes up to 3,000 m.
- Certification for Global Standards North America: UL 508 (Listing), CSA C22.2
- Europe: Overvoltage category III (EN 50178)
- EMI: Class B (EN 61204-3)
- No need for control circuit transformers for which the Machinery Directive is specified. (IEC 61558-2-16)
- Greater usability - The terminal cover prevents screws from dropping out and the front cover prevents ingress of foreign matter.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 677969 | S8FS-G05024CD | Power supply, 50 W, 100 to 240 VAC input, 24 VDC, 2.2 A output, DIN-rail mounting | 59.90 | 4549734104593 |
| 677960 | S8FS-G10012CD | Power supply, 100 W, 100 to 240 VAC input, 12 VDC, 8.5 A output, Din-rail mounting | 78.70 | 4549734104654 |
| 677958 | S8FS-G15012CD | Power Supply, 150 W, 100 to 240 VAC input, 12 VDC, 13 A output, DIN-rail mounting | 97.30 | 4549734104791 |
| 677986 | S8FS-G15024CD | Power Supply, 150 W, 100 to 240 VAC input, 24 VDC, 6.5 A output, DIN-rail mounting | 97.30 | 4549734104838 |
| 677975 | S8FS-G30024CD | Power Supply, 300 W, 100 to 240 VAC input, 24 VDC, 14 A output, DIN-rail mounting | 178.70 | 4549734104975 |
| 675284 | S8FS-G60024C | Power supply, 600 W, 100 to 240 VAC input, 24 VDC 27 A output | 280.90 | 4549734105125 |

EMI Class B and Power Factor Correction



The main improvements provided by the S8JX-P models are harmonic current suppression/PFC (Power Factor Correction) and EMI EN55011 Class B compliance. In addition, further functions have been implemented (applies only to 300 and 600 W models):

- Remote Sensing, to compensate for voltage drops on the load lines.
- Remote Control, using an external signal allows you to turn the output ON and OFF without removing the input voltage.
- Alarm output, informing you about power supply errors, such as fan failure or insufficient voltage

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 364921 | S8JX-P60024CD | Covered Power Supplies, PROplus, 100 to 240 VAC input voltage, 600W, 24V, 27A peak current, 31A (200VAC) | 663.00 | 4548583103740 |



Compact 3-phase input power supply

The 3 phase S8VK-T series adds to the compact Power Supply range (from 120W up to 960W), giving you the best footprint size. Just like the single phase type S8VK-G. It has the wide acceptable input range including 3-Phase input (3 x 340 to 576 VAC) 2-Phase input (2 X 340 to 576 VAC) and DC input excluding 960W (450 to 810 VDC)

- Wide operating temperature range (-40 to +70°C) to guarantee operation stability
- Double set of DC output terminals (three for the negative) to provide easy wiring
- High efficiency (90%) to reduce energy consumption
- Power Boost functionality (120%)
- High vibration resistance with Metal DIN-rail mounting clip.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 382729 | S8VK-T12024 | Book type power supply, Pro, 120 W, 24VDC, 5A, DIN rail mounting | 72.25 | 4548583357983 |
| 659380 | S8VK-T12024-400 | Coated version, Book type power supply, Pro, 3-phase, 120 W, 24 VDC 5A, DIN rail mounting | 83.25 | 4548583721234 |
| 382730 | S8VK-T24024 | Book type power supply, Pro, 240 W, 24VDC, 10A, DIN rail mounting | 108.50 | 4548583357990 |
| 659384 | S8VK-T24024-400 | Coated version, Book type power supply, Pro, 3-phase, 240 W, 24 VDC 10 A, DIN rail mounting | 107.40 | 4548583564589 |
| 386429 | S8VK-T48024 | Book type power supply, Pro, 480 W, 24VDC, 20A, DIN rail mounting | 200.50 | 4548583358003 |
| 659385 | S8VK-T48024-400 | Coated version, Book type power supply, Pro, Three-phase, 480 W, 24 VDC, 20 A, DIN rail mounting | 228.90 | 4548583564596 |
| 386430 | S8VK-T96024 | Book type power supply, Pro, 960 W, 24VDC, 40A, DIN rail mounting | 270.20 | 4548583358010 |
| 659379 | S8VK-T96024-400 | Coated version, Book type power supply, Pro, 3-phase, 960 W, 24 VDC 40 A, DIN rail mounting | 300.70 | 4548583564602 |

S8VK-R

Redundancy unit

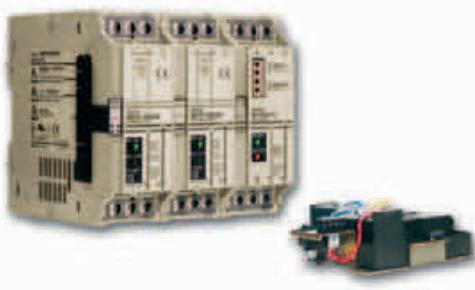


The right redundancy unit for your back-up applications.

When the S8VK-R is used with switching power supplies, it provides a backup system for critical applications that require absolute reliability and zero downtime.

- Redundancy operating LED for status confirmation
- Signal output for failure detection of power supplies
- Operation temperature range: -40 to 70°C
- Double your operational lifetime by adjusting the power supply voltage to light-up the Balance LED
- Power Boost function is possible when used with S8VK-G series power supplies

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 377513 | S8VK-R10 | Redundancy module for S8VK (input 5-30VDC, output 10A) | 37.97 | 4548583425613 |
| 377514 | S8VK-R20 | Redundancy module for S8VK (input 10-60VDC, output 20A) | 57.10 | 4548583425620 |



Battery charger unit

The S8T-DCBU-01 battery backup block supplies 24 VDC for a fixed period of time during AC input outages to considerably improve system reliability.

- Supplies 24 VDC for a long period of time during AC input outages
- For system reliability improvement
- Block power supply basic block is connected by the bus line connector
- Simple system configuration
- Alarms indicated on main unit and via alarm signal output

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|------------------------------|-----------|---------------|
| 307944 | S8T-DCBU-01 | DC backup block for S8TS PSU | 285.00 | 4547648711395 |



Short time Buffer unit

Prevents equipment stoppage, data loss and other problems resulting from momentary power failures. One S8T-DCBU-02 buffer block provides a back-up time of 500 ms at an output current of 2.5 A. Can be wired to the 24 VDC output from any switch mode power supply.

- Connects to all Omron power supplies: S8TS, S8VS, S82J, S82K, S8VM, S8PE
- Connects to both single-phase and three-phase power supplies
- Connects to an S8TS power supply via an S8T-BUS03 bus line connector
- Parallel connection up to 4 units to increase back-up time and capacity
- Complies with Semi F47-0200 standard

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 324267 | S8T-DCBU-02 | DC backup block for S8TS PSU of 500 ms at an output current of 2.5A | 197.80 | 4547648711401 |

Multi circuit protector



The S8M turns your machine directly into UL Class 2 compliant, maximum tripping current is 3,8A per channel (adjustable). This unit controls up to 4 circuits. On top of this you will get startup / shutdown –sequence control, display and alarm functions, like voltage, output current, runtime, and over temperature and external reset. These functions can be set by using the front buttons or with the free support tool software. These settings can be protected.

- 4 circuit protection up-to 4A per channel
- UL Class 2 (max. 3.8A)
- Emergency stop by external signal
- Optimize use of available power through Start-up sequence
- Maintenance Control

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 324847 | S8M-CP04 | Multi circuit protector, up to 16 A, 4x4.0 A per circuit, ideal for branching, requires power supply | 297.10 | 4547648711371 |
| 323509 | S8M-CP04-RS | Multi circuit protector, up to 16 A, 4x3.8 A per circuit (UL class 2 compliant), RS-232C communications, ideal for branching, requires power supply | 427.40 | 4547648711364 |

S8V-NF

Noise filter



Noise Filter S8V-NF

DIN Rail Mounting Type Ideal for Control Panels Featuring a Slim Design that Saves Space Push-In Connections for Safe and Easy Wiring

- 150 kHz to 1 MHz high attenuation
- Operation possible at ambient temperatures from -40 to 85°C
- Complies with RoHS directives
- Certification for 3,000 m altitude (UL/EN 60939)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 680674 | S8V-NFS203 | Noise filter accessory power supply, 250 VAC/DC rated voltage, 3 A rated current, DIN-rail mounting, Push-in terminal | 31.55 | 4549734175876 |
| 680575 | S8V-NFS206 | Noise filter accessory power supply, 250 VAC/DC rated voltage, 6 A rated current, DIN-rail mounting, Push-in terminal | 33.09 | 4549734172707 |

Additional power supplies

Additional power supplies

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 149574 | S82S-7705 | Power supply, 7.5 W, 12 to 24 VDC input, 5 VDC 1.5A output, DIN rail mounting | 117.30 | 4536854104688 |
| Short item number | Order code | Description | Price EUR | GTIN |
| 668799 | S82Y-FSC015DIN | Mounting bracket, DIN-rail, 15W | 2.98 | 4548583758049 |
| 668794 | S82Y-FSC025DIN | Mounting bracket, DIN-rail, 25W | 2.98 | 4548583758056 |
| 668735 | S82Y-FSC035DIN-S | Mounting bracket, bottom mounting to DIN-rail, 35 W | 2.98 | 4548583758117 |
| 668745 | S82Y-FSC050DIN | Mounting bracket, DIN-rail, 35W, 50W | 2.98 | 4548583758063 |
| 668768 | S82Y-FSC150DIN | Mounting bracket, DIN-rail, 75W, 100W, 150W | 2.98 | 4548583758070 |
| 668791 | S82Y-FSC350DIN | Mounting bracket, DIN-rail, 75W, 200W, 350W | 2.98 | 4548583758087 |
| 668720 | S82Y-FSC-C7F | Terminal Cover for front terminal, 100 W, 150 W | 1.06 | 4548583758216 |
| 377521 | S82Y-VK10F | Front-mounting bracket for S8VK (120, 240 and 480 W models) | 9.19 | 4548583415911 |

S8BA Integrated battery type

Uninterruptible power supplies (UPS)



Compact DC-DC UPS with DIN-rail prevents voltage drop and power failure in industrial PCs (IPC)/controllers

System reliability greatly improved because 24VDC power supply is backed up for a certain period of time in the event of voltage drop or power failure.

- Compactness, weight reduction, and long battery life realized thanks to the adoption of a lithium-ion battery.
- Push-in terminal block adopted for the power input and output I/F.
- Shutdown in conjunction with the industrial purpose computer (IPC) or controller realized by the USB/RS- 232C/I/O port installed in the UPS.
- Two types of batteries are selectable for the 480W, allowing the ideal backup time to be realized.
- A wide lineup culminating in the 960W makes it possible to provide long-lasting backup for every type of industrial controller.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--------------------------------------|-----------|---------------|
| 668093 | S8BA-24D24D120LF | UPS, DIN rail type, DC-DC, 5A, 120W | 793.00 | 4547648846608 |
| 668092 | S8BA-24D24D240LF | UPS, DIN rail type, DC-DC, 10A, 240W | 898.50 | 4547648846615 |
| 668096 | S8BA-24D24D360LF | UPS, DIN rail type, DC-DC, 15A, 360W | 1,105.00 | 4547648846622 |
| 668091 | S8BA-24D24D480LF | UPS, DIN rail type, DC-DC, 20A, 480W | 1,290.00 | 4547648846639 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 678555 | BP150XSG | Replacement battery pack for BU3002SWG | 370.30 | 4547648849777 |
| 671160 | S8BA-B120L | Replacement battery pack for S8BA | 475.10 | 4547648846646 |
| 668097 | S8BW-C01 | UPS Connection cable (RS232C) | 56.50 | 4547648846653 |
| 668098 | S8BW-C02 | UPS Connection cable (CONTACT) | 56.50 | 4547648846660 |

S8BA Separated battery type

Uninterruptible power supplies (UPS)



Compact DC-DC UPS with DIN-rail prevents voltage drop and power failure in industrial PCs (IPC)/controllers

System reliability greatly improved because 24VDC power supply is backed up for a certain period of time in the event of voltage drop or power failure.

- Compactness, weight reduction, and long battery life realized thanks to the adoption of a lithium-ion battery.
- Push-in terminal block adopted for the power input and output I/F.
- Shutdown in conjunction with the industrial purpose computer (IPC) or controller realized by the USB/RS- 232C/I/O port installed in the UPS.
- Two types of batteries are selectable for the 480W, allowing the ideal backup time to be realized.
- A wide lineup culminating in the 960W makes it possible to provide long-lasting backup for every type of industrial controller.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 683502 | S8BA-24D24D480SBF | UPS, DIN rail type, Separated battery type, DC-DC, 20 A, 480 W | 276.10 | 4548583941724 |
| 683500 | S8BA-24D24D960SBF | UPS, DIN rail type, Separated battery type, DC-DC, 40 A, 960 W | 392.70 | 4548583941731 |
| 683501 | S8BA-S480L | UPS, DIN rail type, Battery unit for S8BA (Separated battery type), 3.9 Ah | 549.50 | 4548583941748 |
| 683499 | S8BA-S960L | UPS, DIN rail type, Battery unit for S8BA (Separated battery type), 7.8 Ah | 848.50 | 4548583941755 |



Multiple mounting online AC-AC type UPS, useful in a variety of applications

- Online power supply method: Continuous power supply against instantaneous voltage drop or power interruptions.
- Easy LCD operation without PC & multiple mounting methods.
- Multiple connections, input/output terminal block and RS232-C, I/O for external communication, plus external remote ON/OFF signal.
- Hot-swappable batteries: Ensures clean, uninterrupted power to protect equipment during battery replacement.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 671158 | BUB2002RW | Replacement battery pack for BU2002RWLG | 1,335.00 | 4547648845397 |
| 671159 | BUB3002RW | Replacement battery pack for BU3002RWLG/BU5002RWL | 1,621.00 | 4547648845403 |

BU_2SWG

Uninterruptible power supplies (UPS)

Multiple mounting, High Power, Online UPS



- Online power supply method: continuous power supply against instantaneous voltage drop or power interruptions
- 7seg Operational Panel is easy to operate
- Variety of Communication I/F(USB/RS232C/I/O signal/Ethernet. (Has to be used with optional Ethernet card "SC20G2")
- Pre-installed Input/Output Terminal block & external Remote ON/OFF Signal for FA customer
- Hot-swappable batteries

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 678554 | BP100XSG | Replacement battery pack for BU1002SWG | 395.50 | 4547648849760 |

DIN 17.5-mm-wide slim timers with Push-in plus Technology for in-panel applications



- Helps save space and reduces work in control panels
- Slim timers (17.5-mm width) with two sets of contacts: One of the slimmest timers worldwide
- Reduces power consumption (active power) by up to 60% to help reduce heat generation in control panels
- Certified for maritime standards (LR/DNV GL)
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 669477 | H3DT-A1 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, On-delay, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 36.75 | 4548583773356 |
| 669509 | H3DT-A2 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, On-delay, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 38.68 | 4548583773363 |
| 669468 | H3DT-F 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Twin, 1-120s, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 57.45 | 4548583773370 |
| 669479 | H3DT-G 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Star-delta-delay, 1-120s, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 57.45 | 4548583773387 |
| 669519 | H3DT-L1 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Extended Multifunction, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 43.89 | 4548583773349 |
| 669500 | H3DT-L2 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Extended Multifunction, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 45.67 | 4548583773332 |
| 669502 | H3DT-N1 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Multifunction, 0.1s-1200h, 1 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 43.79 | 4548583773325 |
| 669448 | H3DT-N2 24-240VAC/DC | Timer, DIN rail mounting, 17.5mm, Multifunction, 0.1s-1200h, 2 x SPDT, 5 A, 24-240 VAC/DC, Push-in terminal | 45.56 | 4548583773318 |

DIN-rail mounted, standard 17.5mm-width solid state timer range



This broad range of timers includes many functionalities and has a wide AC/DC power supply range. Models with screwless clamp connection available.

- 17.5mm width, modular 45mm
- DIN-rail mounting
- 24-48VDC and 24-230VAC
- 0.1 s to 120 h, 7 ranges

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 670944 | H3DS-AL AC/DC | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on-delay, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings, no-input available, A single operating mode, screw terminal type | 38.04 | 4548583753006 |
| 670938 | H3DS-ALC | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on-delay, 0.1 s-120 h, SPDT, 5 A, lockable settings, screwless terminals, no-input available, A single operating mode | 36.46 | 4548583752948 |
| 670935 | H3DS-FL | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, twin on & off-delay, 0.1 s-12 h, SPDT, 5 A, lockable settings, screw terminal type | 61.70 | 4548583752917 |
| 670937 | H3DS-GL | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, star-delta-delay, 1-120 s, DPST-NO, 5 A, lockable settings, screw terminal type | 61.70 | 4548583752931 |
| 670946 | H3DS-ML AC/DC | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, multifunction, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings | 46.94 | 4548583753020 |
| 670941 | H3DS-MLC | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, multifunction, 0.1 s-120 h, SPDT, 5 A, lockable settings, screwless terminals | 43.49 | 4548583752962 |
| 670945 | H3DS-SL AC/DC | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/24-48 VDC, on/flicker-on/interval/one-shot-delay, 0.1 s-120 h, SPDT, 5 A, 'Smart Dial' lockable settings | 43.20 | 4548583753013 |
| 670936 | H3DS-XL | Timer, DIN rail mounting, 17.5 mm, 24-230 VAC/VDC, on-delay, 0.1 s-120 h, SCR output 0.7 A, 2-wire in-line load connection, lockable settings | 32.64 | 4548583752924 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--------------------------------------|-----------|---------------|
| 235530 | Y92S-38 | Adjustment and locking tool for H3DS | 11.60 | 4536854577819 |

22.5 mm wide – Industrial timers designed to easily fit into panel designs



The new H3DK series of solid state timers provides you with the quality of product you've come to expect from Omron. This elaborate range of timers provides a whole series of functionality to suit multiple requirements and applications, all in a compact, 22.5 mm wide DIN-rail housing.

- Finger-safe terminal block and captive screws according to EN 50274
- New 12VDC model available in all the subfamilies
- New Star-delta model with supply voltage up to 440Vac
- 24&48v integrated in the same model for the OFF-delay Timer
- Wider time range (Time setting 0.1s to 1.200h)
- Complete compatibility with H3DE series

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 668599 | H3DK-F 24-240VAC/DC | Timer, DIN rail mounting, 22.5mm, twin on & off-delay, 0.1s-12h, SPDT, 5 A, 24-240 VAC/DC | 59.05 | 4548583745001 |
| 668604 | H3DK-G 24-240VAC/DC | Timer, DIN rail mounting, 22.5mm, star-delta-delay, 1-120s, DPDT, 5 A, 24-240 VAC/DC | 59.05 | 4548583745018 |
| 352023 | H3DK-GE 240-440VAC | Timer, DIN rail mounting, 22.5mm, star-delta-delay, 1-120s, DPDT, 5 A, 240-440 VAC | 59.05 | 4548583002418 |
| 668624 | H3DK-HBL 24-48VAC/DC | Timer, DIN rail mounting, 22.5mm, power off-delay, 1-120s, SPDT, 5 A, 24 VAC/DC | 59.05 | 4548583745025 |
| 668618 | H3DK-HBS 24-48VAC/DC | Timer, DIN rail mounting, 22.5mm, power off-delay, 0.1-12s, SPDT, 5 A, 24 VAC/DC | 59.05 | 4548583745032 |
| 668644 | H3DK-HDL AC200-240V | Timer, DIN rail mounting, 22.5mm, power off-delay, 1-120s, SPDT, 5 A, 200-230 VAC | 59.05 | 4548583745063 |
| 668617 | H3DK-HDS AC200-240V | Timer, DIN rail mounting, 22.5mm, power off-delay, 0.1-12s, SPDT, 5 A, 200-240 VAC | 59.05 | 4548583745070 |
| 668642 | H3DK-M1 24-240VAC/DC | Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 1 output relay, 24 to 240 VAC/DC | 42.77 | 4548583744967 |
| 668610 | H3DK-M1A DC12 | Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 1 output relay, 12 VDC | 42.77 | 4548583745087 |
| 668641 | H3DK-M2 24-240VAC/DC | Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 2 output relays, 24 to 240 VAC/DC | 42.77 | 4548583744974 |
| 668594 | H3DK-M2A DC12 | Timer, DIN-rail mounting, multi range, multi mode timer, 8 modes incl. off-delay, 2 output relays, 12 VDC | 45.14 | 4548583745094 |
| 668605 | H3DK-S1 24-240VAC/DC | Timer, DIN-rail mounting, multi range, multi mode timer, 4 modes, 1 output relay, 24 to 240 VAC/DC | 29.63 | 4548583744981 |
| 668622 | H3DK-S2 24-240VAC/DC | Timer, DIN-rail mounting, multi range, multi mode timer, 4 modes, 2 output relays, 24 to 240 VAC/DC | 34.31 | 4548583744998 |

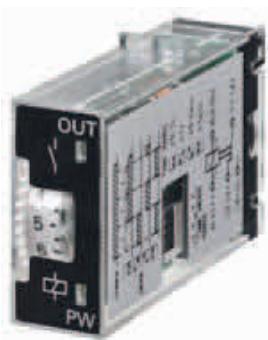
Compact, Multi-function Timers with Plug-in socket



- The Plug-in socket with Push-in plus technology, PYF-__-PU is available for easy wiring.
- Easy replacement and reduces your maintenance time.
- Space saving by Slim design 21.5 mm width.
- Large transparent time setting knob facilitates time setting.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 671567 | H3Y-2 AC200-230 30S | Timer, plug-in, 8-pin, on-delay, DPDT, 200-230 VAC Supply voltage, 30 Seconds, Surface/DIN-track mounting (with socket) | 47.53 | 4548583753075 |
| 671620 | H3Y-2 DC24 10S | Timer, plug-in, 8-pin, on-delay, DPDT, 24 VDC Supply voltage, 10 Seconds, Surface/DIN-track mounting (with socket) | 42.53 | 4548583753587 |
| 671689 | H3Y-2 DC24 5S | Timer, plug-in, 8-pin, on-delay, DPDT, 24 VDC Supply voltage, 5 Seconds, Surface/DIN-track mounting (with socket) | 41.50 | 4548583753570 |
| 671675 | H3Y-4 AC200-230 10S | Timer, plug-in, 14-pin, on-delay, 4PDT, 200-230 VAC Supply voltage, 10 Second, Surface/DIN-track mounting (with socket) | 42.97 | 4548583754294 |
| 671716 | H3YN-2 100-120VAC | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 100-120 VAC supply voltage | 44.86 | 4548583755307 |
| 671573 | H3YN-2 AC200-230 | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 200-230 VAC supply voltage | 45.90 | 4548583755291 |
| 671718 | H3YN-2 AC24 | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 24 VAC supply voltage | 43.23 | 4548583755314 |
| 671626 | H3YN-2 DC12 | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 12 VDC supply voltage | 42.03 | 4548583755369 |
| 671562 | H3YN-2 DC24 | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m short-time range model, DPDT, 24 VDC supply voltage | 41.86 | 4548583755352 |
| 671683 | H3YN-21 AC200-230 | Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 200-230 VAC supply voltage | 54.20 | 4548583755376 |
| 671630 | H3YN-21 AC24 | Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 24 VAC supply voltage | 55.15 | 4548583755390 |
| 671651 | H3YN-21 DC24 | Timer, plug-in, 8-pin, multifunction, 0.1min to 10h long time range model, DPDT, 24 VDC supply voltage | 48.65 | 4548583755437 |
| 669600 | H3YN-21-B AC200-230 | Timer, plug-in, 8-pin, multifunction, 0.1m-10h, DPDT, 5 A, 200-230 VAC Supply, Black, Top coil side | 55.20 | 4548583780934 |
| 669602 | H3YN-2-B 100-120VAC | Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 100-120 VAC Supply, Black, Top coil side | 53.40 | 4548583780842 |
| 669619 | H3YN-2-B AC200-230 | Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 200-230 VAC Supply, Black, Top coil side | 55.20 | 4548583780859 |
| 669606 | H3YN-2-B AC24 | Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 24 VAC Supply, Black, Top coil side | 50.95 | 4548583780866 |
| 669620 | H3YN-2-B DC12 | Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 12 VDC Supply, Black, Top coil side | 49.47 | 4548583780873 |
| 669626 | H3YN-2-B DC24 | Timer, plug-in, 8-pin, multifunction, 0.1s-10m, DPDT, 5 A, 24 VDC Supply, Black, Top coil side | 49.29 | 4548583780880 |
| 671690 | H3YN-4 100-120VAC | Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 100-120 VAC supply voltage | 49.07 | 4548583755468 |
| 671591 | H3YN-4 AC200-230 | Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 200-230 VAC supply voltage | 50.15 | 4548583755451 |
| 671644 | H3YN-4 AC24 | Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 24 VAC supply voltage | 47.42 | 4548583755475 |
| 671695 | H3YN-4 DC24 | Timer, plug-in, 14-pin, multifunction, 0.1s to 10 min short time range model, 4PDT, 24 VDC supply voltage | 46.08 | 4548583755512 |
| 671595 | H3YN-41 100-120VAC | Timer, plug-in, 14-pin, multifunction, 0.1m to 10h long time range model, 4PDT, 100-120 VAC supply voltage | 49.07 | 4548583755543 |
| 671602 | H3YN-41 AC200-230 | Timer, plug-in, 14-pin, multifunction, 0.1m to 10h long time range model, 4PDT, 200-230 VAC supply voltage | 54.05 | 4548583755536 |
| 669624 | H3YN-4-B AC200-230 | Timer, plug-in, 14-pin, multifunction, 0.1s-10m, 4PDT, 3 A, 200-230 VAC Supply, Black, Top coil side | 59.30 | 4548583781016 |
| 669615 | H3YN-4-B DC24 | Timer, plug-in, 14-pin, multifunction, 0.1s-10m, 4PDT, 3 A, 24 VDC Supply, Black, Top coil side | 53.10 | 4548583781047 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|-------------------------------------|-----------|---------------|
| 120086 | Y92H-3 | Clips for H3Y(N) timer & PYF socket | 0.91 | 4536853521516 |

Compact, Multi-function Timers with Plug-in socket

- The Plug-in socket with Push-in plus technology, P2RF-__-PU is available for easy wiring.
- Easy replacement and reduces your maintenance time
- Space saving by Slim design 15.5 mm width.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 147546 | H3RN-1 12VDC | Timer, plug-in, 5-pin, multifunction, 0.1s-10m, SPDT, 3 A, 12 VDC | 45.56 | 4536853509699 |
| 145454 | H3RN-1 24VAC | Timer, plug-in, 5-pin, multifunction, 0.1 s-10 m, SPDT, 3 A | 47.76 | 4536853509712 |
| 120361 | H3RN-1 24VDC | Timer, plug-in, 5-pin, multifunction, 0.1 s-10 m, SPDT, 3 A | 45.93 | 4536853509705 |
| 148556 | H3RN-11 24VDC | Timer, plug-in, 5-pin, multifunction, 0.1 m-10 h, SPDT, 3 A | 45.88 | 4536853509736 |
| 669638 | H3RN-1-B 24VDC | Timer, plug-in, 5-pin, multifunction, 0.1s-10m, SPDT, 3 A, 24 VDC Supply, Black, Top coil side | 52.80 | 4548583782952 |
| 156331 | H3RN-2 24VDC | Timer, plug-in, 8-pin, multifunction, 0.1 s-10 m, DPST-NO, 3 A | 51.05 | 4536853509767 |

DIN 48 x 48mm multi-functional timer series



This elaborate range of solid state timers provides you with a multi-functional timer, twin timer, star-delta timer and a power OFF-delay timer.

- 48 x 48mm front-panel/plug-in
- High-/low-voltage models (except -H and -G)
- 0.05 s to 300 h (except -H and -G)
- DPDT, 5 A at 250VAC
- Transistor 100mA at 30VDC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------------|---|-----------|---------------|
| 667919 | H3CR-A 100-240VAC/100-125VDC | Timer, plug-in, 11-pin, DIN 48 x 48 mm, multifunction, 0.05 s-300 h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC | 53.55 | 4548583553262 |
| 667959 | H3CR-A AC24-48/DC12-48 | Timer, plug-in, 11-pin, DIN 48 x 48 mm, multifunction, 0.05 s-300 h, DPDT, 5 A, 24-48VAC, 12-48VDC | 53.55 | 4548583553279 |
| 667944 | H3CR-A8 100-240VAC/100-125VDC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT, 5 A | 52.30 | 4548583553316 |
| 667924 | H3CR-A8 AC24-48/DC12-48 | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT, 5 A | 52.30 | 4548583553323 |
| 667916 | H3CR-A8E 100-240VAC/100-125VDC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT (inc. inst.), 5 A | 65.25 | 4548583553330 |
| 667957 | H3CR-A8E 24-48VAC/DC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, DPDT (inc. inst.), 5 A | 68.10 | 4548583553347 |
| 667943 | H3CR-A8S AC24-48/DC12-48 | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), on/flicker-on/flicker-off/interval/one-shot-delay, 0.05s-300h, transistor output, 5 A | 55.15 | 4548583553354 |
| 667928 | H3CR-AP 100-240VAC/100-125VDC | Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, DPDT, 5 A | 63.35 | 4548583553286 |
| 667907 | H3CR-AP AC24-48/DC12-48 | Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, DPDT, 5 A | 55.50 | 4548583553293 |
| 667962 | H3CR-AS AC24-48/DC12-48 | Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), voltage input, multifunction, 0.05s-300h, Transistor output (NPN/PNP universal) | 50.70 | 4548583553309 |
| 667935 | H3CR-F 100-240VAC/100-125VDC | Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC | 85.40 | 4548583552845 |
| 667910 | H3CR-F AC24-48/DC12-48 | Timer, plug-in, 11-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5 A, 24-48VAC, 12-48VDC | 84.45 | 4548583552852 |
| 667955 | H3CR-F8 100-240VAC/100-125VDC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC | 83.50 | 4548583552807 |
| 667922 | H3CR-F8 24-48VAC/12-48VDC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker OFF start, 0.05s-300h, DPDT, 5 A, 24-48VAC, 12-48VDC | 83.50 | 4548583552814 |
| 667913 | H3CR-F8N 100-240VAC/100-125VDC | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker ON start, 0.05s-300h, DPDT, 5 A, 100 to 240 VAC, 100-125VDC | 83.20 | 4548583552821 |
| 667950 | H3CR-F8N AC24-48/DC12-48 | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), twin on & off-delay, flicker ON start, 0.05s-300h, DPDT, 5 A, 24-48VAC, 12-48VDC | 58.35 | 4548583552838 |
| 667958 | H3CR-G8EL AC200-240 | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), star-delta-delay, 0.5-120s, SPST-NO instantaneous, SPST-NO time-limit, 5 A, 200-240 VAC | 85.70 | 4548583552913 |
| 667923 | H3CR-G8L AC200-240 | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), star-delta-delay, 0.5-120s, DPST-NO, 5 A, 200-240 VAC | 78.15 | 4548583552890 |
| 667931 | H3CR-H8L 100-120VAC M | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A | 93.25 | 4548583552968 |
| 667908 | H3CR-H8L 200-240VAC M | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A | 78.75 | 4548583552975 |
| 667921 | H3CR-H8L 200-240VAC S | Timer, plug-in, 8-pin, 1/16DIN (48 x 48mm), power off-delay, 0.05-12s, DPDT, 5 A | 78.75 | 4548583553026 |
| 667946 | H3CR-H8L 24VAC/DC M | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12 m, DPDT, 5 A | 81.35 | 4548583552982 |
| 667952 | H3CR-H8L 24VAC/DC S | Timer, plug-in, 8-pin, 1/16DIN (48 x 48 mm), power off-delay, 0.05-12s, DPDT, 5 A | 77.15 | 4548583553033 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 120806 | Y92P-48GL | Panel cover for H3CR-A* timer, light grey | 4.66 | 4536853499099 |



Large setting dial and moving pointers for easy operation and monitoring

The H3AM has an easy-to-read large setting dial with moving pointers, a wide time-setting range of 0.2 s to 60 h and a broad AC power supply range (100 to 240VAC). The programmable contact facilitates the building of a self-holding relay circuit as well as built-in instantaneous contact.

- Front 96 x 96 x D 85mm
- Front panel
- 100 to 240VAC
- 0.05 s to 60 h
- DPST, 5A at 250VAC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------|---|-----------|---------------|
| 120958 | H3AM-NS-A-300 100-240VAC | Timer, panel mounting, on-delay, 0.5s-30h, DPDT (inc. inst.), 5 A, self-resetting | 368.80 | 4536854353215 |
| 157639 | H3AM-NS-B-300 100-240VAC | Timer, panel mounting, on-delay, 1s-60h, DPDT (inc. inst.), 5 A self-resetting | 368.60 | 4536854353222 |



The most complete digital standard timer on the market

H5CX offers you the most complete series of products on the market today. Based on extensive customer research, these new timers have been designed with added-value features that users both need and appreciate.

- H 48 x W 48 x D 59 to 78mm
- Three-colour display value, red, green or orange
- Models with Instantaneous Contact Outputs
- 0.001 s to 9999 h, 10 ranges
- Input NPN, PNP and contact

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 668627 | H5CX-A11D-N | Timer, plug-in, 11-pin, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply | 197.20 | 4548583745247 |
| 668597 | H5CX-A11-N | Timer, plug-in, 11-pin, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5A relay output, 100-240 VAC supply | 197.20 | 4548583745223 |
| 668625 | H5CX-AD-N | Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply, includes color change display function | 172.30 | 4548583745162 |
| 668585 | H5CX-A-N | Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 100-240 VAC supply, includes color change display function | 207.50 | 4548583745148 |
| 668609 | H5CX-ASD-N | Timer, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, 100mA 30VDC NPN transistor output, 12-24VDC supply, includes color change display function | 172.30 | 4548583745179 |
| 668592 | H5CX-AS-N | Timer, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), multifunction, NPN/PNP/No voltage input selectable, transistor output, 100-240 VAC supply, includes color change display function | 195.90 | 4548583745155 |
| 668620 | H5CX-L8D-N | Timer, plug-in, 8-pin, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), economy model, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 12-24 VDC/24 VAC supply | 165.90 | 4548583745209 |
| 668607 | H5CX-L8-N | Timer, plug-in, 8-pin, DIN 48x48 mm, IP66, 4 preset & 4 actual time digits, multi range 0.01 s to 9999 h (10 ranges), economy model, NPN/PNP/No voltage input selectable, SPDT 5 A relay output, 100-240 VAC supply | 171.90 | 4548583745186 |
| 668614 | H5CX-L8SD-N | Timer, plug-in, 8-pin, DIN48x48mm, IP66, 4 preset & 4 actual time digits, multi range 0.01s to 9999h (10 ranges), economy model, NPN/PNP/No voltage input selectable, 100mA 30VDC NPN transistor output, 12-24VDC/24VAC supply | 177.50 | 4548583745216 |

Additional timers

Additional timers

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 372095 | H5AN-4DM 100-240VAC | Digital Timer, 72 x 72 mm, 4 digit display, time limit and integrating operation, time range 0.01 to 99 h, with memory backup, screw terminals | 502.50 | 4547648354332 |
| 243648 | H5F-KB | Digital Daily Time Switch, Surface Mounting/Track Mounting, 24 h x 7 days (Operation days can be specified.) | 260.30 | 4547648354134 |
| 243986 | H5S-WB2 | Digital Time Switch, Weekly, Flush mounting, 2 circuits, 100 to 240 VAC | 472.10 | 4547648356350 |
| 243906 | H7AN-4DM 100-240VAC | Preset 4 digit counter, DIN72x72 mm, non-volatile memory built-in | 599.50 | 4547648355223 |
| 231117 | H7CN-XLN 100-240VAC | Preset Counter, 48 x 48 mm, 4 digit display, up counting, max. count speed 30 cps, without memory backup, SPST-NO, 8-pin socket | 362.40 | 4547648259620 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 120050 | Y92A-48 | Protective cover for DIN48x48mm device, hard plastic (shallow) | 4.96 | 4536853523268 |
| 120938 | Y92A-48B | Protective cover for DIN 48x48 mm device, hard plastic | 4.66 | 4536853494049 |
| 156312 | Y92A-48D | Protective cover for DIN48x48mm device, soft plastic | 4.93 | 4536854247040 |
| 151801 | Y92A-48F1 | Protective cover for H5/7CR timer/counter, soft plastic | 13.21 | 4536854247088 |
| 142439 | Y92A-48G | Protective cover for DIN48x48mm device | 2.82 | 4536854506420 |
| 154196 | Y92A-48N | Watertight cover for DIN 48x48 mm device, IP66, plastic | 52.55 | 4536853362935 |
| 129704 | Y92A-49N | Watertight cover for DIN48x96mm device, IP66, plastic | 67.35 | 4536853362942 |
| 142057 | Y92A-72N | Watertight cover for DIN72x72mm device, IP66, plastic | 72.00 | 4536853362959 |
| 148625 | Y92A-96N | Watertight cover for DIN 96x96 mm device, IP66, plastic | 84.20 | 4536853362966 |
| 332154 | Y92F-30 | Flush panel mounting adapter for DIN 48x48 mm device | 3.94 | 4547648769525 |
| 107361 | Y92S-29 | Waterproof packing for use with 48x48mm devices and Y92F30 flush mounting adapter | 4.21 | 4536854248313 |



Self-powered LCD totaliser

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 55.5mm
- 8 digits, 8.6mm character height
- Black or light-grey housing
- Dual input speed: 30Hz <-> 1kHz
- Short body: all models have a depth of 48.5mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 672687 | H7EC-N | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, no-V input, grey case | 68.05 | 4548583755635 |
| 672677 | H7EC-N-B | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, no-V input, black case | 68.05 | 4548583755642 |
| 672659 | H7EC-NFV | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 20cps, VAC/DC input, grey case | 99.00 | 4548583755697 |
| 672683 | H7EC-NFV-B | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 20cps, VAC/DC input, black case | 111.40 | 4548583755703 |
| 672660 | H7EC-NV | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, VDC input, grey case | 70.35 | 4548583755659 |
| 672691 | H7EC-NV-B | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 8-digit, 30cps/1kcps, VDC input, black case | 71.65 | 4548583755666 |
| 672661 | H7EC-NV-BH | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 8-digit, 30cps/1kcps, VDC input, black case | 75.40 | 4548583755680 |
| 672690 | H7EC-NV-H | Total counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 8-digit, 30cps/1kcps, VDC input, grey case | 75.80 | 4548583755673 |



Self-powered time counter

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 55.5mm
- 7 digits, 8.6mm character height
- Black or light-grey housing
- Dual time range 999999.9h <-> 3999d23.9h or 999h59m59s <-> 999h59.9m

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 672656 | H7ET-N | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, no-V input, grey case | 70.10 | 4548583755833 |
| 672657 | H7ET-N1 | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, no-V input, grey case | 82.50 | 4548583755857 |
| 672672 | H7ET-N-B | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, no-V input, black case | 72.90 | 4548583755840 |
| 672681 | H7ET-NFV | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VAC/DC input, grey case | 108.50 | 4548583755956 |
| 672674 | H7ET-NFV1 | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, VAC/DC input, grey case | 106.30 | 4548583755970 |
| 672663 | H7ET-NFV-B | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VAC/DC input, black case | 101.80 | 4548583755963 |
| 672665 | H7ET-NV | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999999.9h / 3999d23.9h, VDC input, grey case | 72.60 | 4548583755871 |
| 672658 | H7ET-NV1 | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD, 7-digit, 999h59m59s / 9999h59.9m, VDC input, grey case | 88.20 | 4548583755918 |
| 672664 | H7ET-NV-H | Time counter, 1/32DIN (48 x 24 mm), self-powered, LCD with backlight, 7-digit, 999999.9h / 3999d23.9h, VDC input, grey case | 77.30 | 4548583755895 |



Self-powered tachometer

The H7E series is available with large display with 8.6mm character height. It includes models with backlight for improved visibility in dimly lit places. The H7E family includes total counters, time counters, tachometers and PCB-mounted counters.

- H 24 x W 48 x D 53.5mm
- 5 digits, 8.6mm character height
- Black or light-grey housing
- Dual revolution display

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 672673 | H7ER-N | Tachometer, DIN 48 x 24 mm, self-powered, LCD, 4-digit, 1/60 ppr, no-V input, grey case | 73.90 | 4548583755734 |
| 672680 | H7ER-NV | Tachometer, DIN 48x24 mm, self-powered, LCD, 4-digit, 1/60 ppr, VDC input, grey case | 80.85 | 4548583755758 |
| 672678 | H7ER-NV1 | Tachometer, DIN 48x24 mm, self-powered, LCD, 5-digit, 1/60 ppr, VDC input, grey case | 80.85 | 4548583755796 |



Compact total counters and time counters with easy-to-read displays

The H7GP features a high-visibility, negative transmissive LCD display with 8.5mm-high characters and built-in red LED backlight with low power consumption. It has a compact (80mm) body.

- Total/timer counter
- H 24 x W 48 x D 80mm
- Red negative transmissive LCD
- 6 digits, 8.5mm height
- 12-24VDC or 100-240VAC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 243926 | H7GP-C | Total counter, 1/32DIN (48 x 24mm), 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 154.60 | 4547648353571 |
| 243927 | H7GP-CD | Total counter, 1/32DIN (48 x 24mm), 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 140.10 | 4547648353588 |
| 243928 | H7GP-T | Time counter, 1/32DIN (48 x 24mm), 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 180.70 | 4547648353595 |
| 243929 | H7GP-TD | Time counter, 1/32DIN (48 x 24mm), 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 140.40 | 4547648353601 |



Compact total counters and time counters with easy-to-read displays

The H7HP has a large, easy-to-read display: 15mm-high characters for 6-digit models or 12mm-high characters for 8-digit models. It features a high-visibility, negative transmissive LCD display with built-in red LED backlight with low power consumption. It has a compact (66mm) body.

- Total/timer counter
- H 36 x W 72 x D 65.8mm
- Red negative transmissive LCD
- 6 digits, 15mm height / 8 digits, 12mm height
- 12-24VDC or 100-240VAC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 243933 | H7HP-A | Total/time counter, DIN72x36mm, 100-240 VAC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 179.80 | 4547648353885 |
| 243934 | H7HP-AD | Total/time counter, DIN72x36mm, 12-24 VDC, LCD, 6-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 163.80 | 4547648353892 |
| 243936 | H7HP-C8D | Total counter, DIN72x36 mm, 12 to 24 VDC, LCD, 8-digit, 30cps or 5kcps, NPN/PNP input, manual reset | 196.70 | 4547648353915 |

The most complete digital standard counter on the market



H7CX offers you the most complete series of products on the market today. Based on extensive customer research, these new counters have been designed with added-value features that users both need and appreciate.

- H 48 x W 48 x D 59 to 78mm
- Three-colour display value, red, green or orange
- Twin counter mode
- 6-digit model -99999 to 999999, set value -99999 to 999999 or 0 to 999999
- Input contact, NPN or PNP

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 668600 | H7CX-A114D1-N | Counter, plug-in, 11-pin, DIN48x48mm, IP66, 4 digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 12-24VDC/24VAC supply, 12VDC aux supply | 285.00 | 4548583745353 |
| 668637 | H7CX-A114-N | Counter, plug-in, 11-pin, 1/16DIN (48 x 48mm), IP66, 4 digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply | 245.10 | 4548583745339 |
| 668595 | H7CX-A11D1-N | Counter, plug-in, 11-pin, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, 12 VDC aux. supply | 245.10 | 4548583745315 |
| 668611 | H7CX-A11-N | Counter, plug-in, 11-pin, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux. supply | 242.00 | 4548583745292 |
| 668621 | H7CX-A4D-N | Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, includes colour change display function | 205.50 | 4548583745421 |
| 668623 | H7CX-A4-N | Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function | 285.40 | 4548583745407 |
| 668601 | H7CX-A4SD-N | Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction: 1-stage & total, transistor output, 12-24 VDC/24 VAC supply, includes colour change display function | 194.60 | 4548583745438 |
| 668590 | H7CX-A4W-N | Counter, 1/16DIN (48 x 48mm), IP66, 4 preset & 4 actual count digits, multifunction: 2-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function | 350.20 | 4548583745490 |
| 668628 | H7CX-AD-N | Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 12-24 VDC/24 VAC supply, includes colour change display function | 239.30 | 4548583745384 |
| 668633 | H7CX-A-N | Counter, plug-in, screw terminal, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage & total, SPST-NO 3 A relay output, 100-240 VAC supply, 12 VDC aux supply | 238.90 | 4548583745360 |
| 311858 | H7CX-AUD1-N | Counter, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/dual/tachometer, SPST-NO 3 A relay & 100 mA, 30 VDC NPN transistor outputs, 12-24 VDC/24 VAC supply, 12 VDC aux. supply, includes color change displ | 251.40 | 4547648642712 |
| 311857 | H7CX-AU-N | Counter, DIN 48x48 mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/dual/tachometer, SPST-NO 3 A relay & 100 mA, 30 VDC NPN transistor outputs, 100-240 VAC supply, 12 VDC aux. supply, includes color change display | 251.20 | 4547648642705 |
| 311859 | H7CX-AUSD1-N | Counter, DIN48x48mm, IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, 2x 100mA 30VDC NPN transistor outputs, 12-24VDC/24VAC supply, 12 VDC aux supply, includes color change display function | 295.50 | 4547648642729 |
| 668634 | H7CX-AWD1-N | Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two relay outputs, 12-24 VDC/24 VAC supply, 12 VDC aux supply, includes color change display function | 257.60 | 4548583745469 |
| 668588 | H7CX-AW-N | Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two relay outputs, 100-240 VAC supply, 12 VDC aux supply, includes color change display function | 257.60 | 4548583745445 |
| 668643 | H7CX-AWS-N | Counter, 1/16DIN (48 x 48mm), IP66, 6 preset & 6 actual count digits, multifunction: 1-stage/2-stage/total/batch/ dual/tachometer, two transistor outputs, 100-240 VAC supply, 12 VDC aux supply, includes colour change display function | 316.00 | 4548583745452 |
| 668598 | H7CX-R11D1-N | Tachometer, plug-in, 11-pin, DIN48 x 48 mm, IP66, 6 preset & 6 actual count digits, multifunction, SPST-NO 3A relay output, 12-24VDC/24 VAC supply, 12VDC aux supply | 275.70 | 4548583745520 |



Multifunction Counter DIN 72x72mm

H7BX with the backlit LCD gives a excellent display view. The main display PV has a height of 13.5mm and SV has a height of 9.5mm. It can be green or red and it can be programmed to change if a specific value is reached. All basic counters functions are covered with many different output modes. Easy setup by dip-switches for the basic functions.

- H 72 x W 72 x D 100mm
- Total and preset counter, batch counter, dual counter and tachometer
- Two-color display value, red or green
- 6-digit, -99999 to 999999, set value -99999 to 999999 or 0 to 999999
- Input contact, NPN or PNP
- Easy operation with a key for each digit

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 241306 | H7BX-A | Counter, DIN 72x72 mm, digital, multifunction, preset to 1-stage, SPST-NO, 3 A | 518.00 | 4547648453615 |
| 241308 | H7BX-AD1 | Counter, DIN 72x72 mm, digital, multifunction, preset to 1-stage, SPST-NO, 3 A | 518.00 | 4547648453639 |
| 241307 | H7BX-AW | Counter, DIN 72x72 mm, digital, multifunction, preset to 2-stage, SPST-NO, 3 A | 554.00 | 4547648453622 |
| 241309 | H7BX-AWD1 | Counter, DIN 72x72 mm, digital, multifunction, preset to 2-stage, SPST-NO, 3 A | 554.00 | 4547648453646 |

H8PS

Cam positioners



Compact, easy-to-use cam positioner

The H8PS provides high-speed operation at 1,600 r/min and high-precision settings to 0.5° ensuring widespread application. H8PS features a highly visible display with back-lit negative transmissive LCD. Advance angle compensation function compensates for output delays.

- H 96 to 121.2 x W 96 x D 60.6 to 67.5 mm
- Front-panel / DIN-rail
- 24VDC
- 8-, 16- and 32-outputs
- NPN/PNP 100mA at 30VDC

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 169011 | H8PS-16BFP | Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 16x PNP outputs (requires E6CP/E6F encoder) | 858.50 | 4547648042628 |
| 169010 | H8PS-16BP | Rotary positioner, 1/4DIN (96 x 96mm) panel mounting, 24 VDC, 16x PNP outputs (requires E6CP/E6F encoder) | 855.50 | 4547648042611 |
| 169015 | H8PS-32BFP | Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 32x PNP outputs (requires E6CP/E6F encoder) | 1,173.00 | 4547648042703 |
| 169014 | H8PS-32BP | Rotary positioner, 1/4DIN (96 x 96mm) panel mounting, 24 VDC, 32x PNP outputs (requires E6CP/E6F encoder) | 1,173.00 | 4547648042697 |
| 142010 | H8PS-8B | Rotary positioner, DIN 96x96 mm panel mounting, 24 VDC, 8x NPN outputs (requires E6CP/E6F encoder) | 497.80 | 4536853532451 |
| 119514 | H8PS-8BF | Rotary positioner, 1/4DIN (96 x 96mm), track/surface mounting, 24 VDC, 8x NPN outputs (requires E6CP/E6F encoder) | 528.00 | 4536853532468 |
| 119516 | H8PS-8BFP | Rotary positioner, DIN 96x96 mm, track/surface mounting, 24 VDC, 8x PNP outputs (requires E6CP/E6F encoder) | 511.00 | 4536853532482 |
| 119515 | H8PS-8BP | Rotary positioner, DIN 96x96 mm panel mounting, 24 VDC, 8x PNP outputs (requires E6CP/E6F encoder) | 502.00 | 4536853532475 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 142011 | Y92A-96B | Protective cover for DIN96x96mm device, hard plastic | 11.60 | 4536853532512 |
| 156348 | Y92F-91 | DIN rail mounting base for H8PS rotary positioner | 26.80 | 4536853532529 |
| 169367 | Y92S-41-200 | Output cable, free wire ends, 2m long (1pc required for 16 output, 2pcs required for 32 output) | 79.00 | 4547648043861 |

Additional counters

Additional counters

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 107355 | Y92F-35 | Flush panel mounting adapter for H7E | 4.91 | 4536854819872 |
| 154955 | Y92F-75 | Flush mounting adapter for H7E, panel cut-out 45.3 x 26 mm | 3.94 | 4536853531324 |

ZEN-10C

Programmable relays



Flexible automation

With the choice of 4 different 10 I/O CPU units we fulfill all needed functionality to do all kind of control automation. Three of them (C1/C2/C4) are expandable up-to 34 I/O. The C3 has fixed 10 I/O. All DC models have analogue input and a high-speed counter input up to 150Hz. The C4 model is equipped with communication.

- DC input/supply units have analogue input + high speed counter
- The ZEN-10C4 has RS-485 communication
- Expansion available with relay output or transistor output
- ZEN-Kits the best choice to start!

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 240972 | ZEN-10C1AR-A-V2 | Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5 A, RTC, LCD display | 212.20 | 4547648391047 |
| 240974 | ZEN-10C1DR-D-V2 | Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display | 212.20 | 4547648391061 |
| 240979 | ZEN-10C1DT-D-V2 | Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x transistor outputs, RTC, LCD display | 212.20 | 4547648391115 |
| 240973 | ZEN-10C2AR-A-V2 | Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5 A | 178.10 | 4547648391054 |
| 240975 | ZEN-10C2DR-D-V2 | Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A | 178.10 | 4547648391078 |
| 240983 | ZEN-10C3AR-A-V2 | Programmable relay, 100-240 VAC supply, 6x 100-240 VAC inputs, 4x relay outputs 5A, RTC, LCD display,unexpandable | 166.50 | 4547648391160 |
| 240984 | ZEN-10C3DR-D-V2 | Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10V analog inputs), 4x relay outputs 5A, RTC, LCD display,unexpandable | 166.50 | 4547648391177 |
| 240987 | ZEN-10C4AR-A-V2 | Programmable relay, 24 VDC supply, 6x 100-240 VAC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display, expandable | 244.70 | 4547648391207 |
| 240988 | ZEN-10C4DR-D-V2 | Programmable relay, 24 VDC supply, 6x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 4x relay outputs 5 A, RTC, LCD display, expandable | 244.70 | 4547648391214 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 240970 | ZEN-BAT01 | Battery for ZEN programmable relay | 49.87 | 4547648391023 |
| 240969 | ZEN-CIF01 | Cable, 2 m, for connecting ZEN programmable relay to a PC | 116.90 | 4547648391016 |
| 240971 | ZEN-ME01 | Memory cassette, EEPROM | 46.51 | 4547648391030 |
| 240995 | ZEN-SOFT01-V4 | Programming software for ZEN programmable relay, CD-ROM | 70.35 | 4547648391283 |



Extended flexible automation

With the ZEN-20 I/O you get in one unit 12 Inputs and 8 Outputs relays or transistor. Here-with you can do a lot of bigger scale automation whereas the 10 I/O versions are just to short of I/O's. The 20 I/O unit is available in three different versions starting from C1 with LCD display, control/ program buttons, calendar and clock or C2 with LED status indication or C3 same as C1 but fixed I/O.

- ZEN-20C1/C2 expandable up to 44 I/Os
- ZEN DC units have analogue input 0-10 VDC
- DC models have as well high speed counter 150 Hz.
- Expansion available with relay output or transistor output

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 240989 | ZEN-20C1AR-A-V2 | Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5 A, RTC, LCD display | 274.70 | 4547648391221 |
| 240991 | ZEN-20C1DR-D-V2 | Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x relay outputs 5 A, RTC, LCD display | 274.70 | 4547648391245 |
| 240993 | ZEN-20C1DT-D-V2 | Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x transistor outputs, RTC, LCD display | 274.70 | 4547648391269 |
| 240990 | ZEN-20C2AR-A-V2 | Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5 A | 256.00 | 4547648391238 |
| 240992 | ZEN-20C2DR-D-V2 | Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x relay outputs 5 A | 256.00 | 4547648391252 |
| 240994 | ZEN-20C2DT-D-V2 | Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10 V analog inputs), 8x transistor outputs | 256.00 | 4547648391276 |
| 240985 | ZEN-20C3AR-A-V2 | Programmable relay, 100-240 VAC supply, 12x 100-240 VAC inputs, 8x relay outputs 5A,unexpandable | 244.70 | 4547648391184 |
| 240986 | ZEN-20C3DR-D-V2 | Programmable relay, 24 VDC supply, 12x 24 VDC inputs (2 of which can be 0-10V analog inputs), 8x relay outputs 5A,unexpandable | 244.70 | 4547648391191 |

ZEN-8E

Programmable relays

ZEN Expansion units

To enlarge your ZEN application we provide three different expansion units in only 35 mm width ZEN housing. All expansion units have standard 4 inputs and 4 outputs. You can add maximum 3 expansion units to one CPU.

- 4 inputs, 100 to 240VAC or 12 to 24VDC
- 4 outputs, either relays or transistors (only DC models)
- DIN-rail mounting
- H 90 x W 35 x D 56mm



| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 240976 | ZEN-8E1AR | I/O expansion unit, 4 x 100-240 VAC inputs, 4 x relay outputs 5 A | 99.45 | 4547648391085 |
| 240977 | ZEN-8E1DR | I/O expansion unit, 4 x 24 VDC inputs, 4 x relay outputs 5 A | 90.75 | 4547648391092 |
| 240981 | ZEN-8E1DT | I/O expansion unit, 4 x 24 VDC inputs, 4 x transistor outputs | 86.50 | 4547648391139 |

Compact and intelligent digital panel meter



The K3GN is able to cover a wide variety of applications with its 3 main functions: process meter, RPM processor/tachometer and digital data display for PC/PLC. Configuration is easy and the design is advanced and compact.

- Process indicator DC voltage/current
- RPM process/tachometer
- Digital data display for PC/PLC
- Very compact 1/32 DIN housing: H 24 x W 48 x D 83mm
- 5-digit display with programmable display colour, in red or green

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 227823 | K3GN-NDC 24VDC | Digital panel meter, DIN48x24mm, DC voltage/current + NPN input, 2x relay outputs, includes color display function, 24VDC, without data transmission output | 269.90 | 4547648238328 |
| 227824 | K3GN-PDC 24VDC | Digital panel meter, DIN 48x24 mm, DC voltage/current + PNP input, 2x relay outputs, includes color display function, without data transmission output | 270.40 | 4547648238342 |
| 227825 | K3GN-PDT2 24VDC | Digital panel meter, DIN 48x24 mm, DC voltage/current + PNP input, 3x PNP transistor outputs, includes color display function | 242.70 | 4547648238359 |

K3MA-J

1/8 DIN standard indicators

Highly visible LCD display with 2-colour (red and green) LEDs



The K3MA-J is a process meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 5 digits (-19999 to 99999)
- Front-panel IP66

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|---|-----------|---------------|
| 228010 | K3MA-J 100-240VAC | Process meter, DIN 96 x 48 mm, colour change display, DC voltage/ current input | 249.60 | 4547648238694 |
| 227976 | K3MA-J 24VAC/DC | Process meter, DIN 96 x 48 mm, colour change display, DC voltage/ current input | 228.10 | 4547648238700 |
| 227977 | K3MA-J-A2 100-240VAC | Process meter, DIN 96x48 mm, color change display, DC voltage/ current input, 2NO relay output, 100-240AC | 251.50 | 4547648238717 |
| 227978 | K3MA-J-A2 24VAC/DC | Process meter, DIN 96x48 mm, color change display, DC voltage/ current input, 2NO relay output, 24 VAC/DC | 240.00 | 4547648238724 |



Highly visible LCD display with 2-colour (red and green) LEDs

The K3MA-L is a temperature meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 4 digits
- Front-panel IP66

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 227981 | K3MA-L-C 100-240VAC | Temperature meter, DIN 96x48 mm, color change display, thermocouple/ RTD input, 1C/O relay output, 100-240VAC | 251.40 | 4547648238755 |
| 227982 | K3MA-L-C 24VAC/DC | Temperature meter, DIN 96x48 mm, color change display, thermocouple/ RTD input, 1C/O relay output, 24 VAC/DC | 240.00 | 4547648238762 |



Highly visible LCD display with 2-colour (red and green) LEDs

The K3MA-F is a frequency/rate meter with a supply voltage of either 100 to 240VAC or 24VAC/VDC. Both are equipped with the same quality display and have the same short depth of 80mm.

- DIN-size of H 48 x W 96mm
- Highly visible, negative transmissive back-lit LCD display
- 14.2mm-high characters
- 5 digits (-19999 to 99999)
- Front-panel IP66

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 227985 | K3MA-F-A2 100-240VAC | Frequency/rate meter, DIN 96x48 mm, color change display, pulse input, 2NO relay output, 100-240 VAC | 264.20 | 4547648238793 |
| 228009 | K3MA-F-A2 24VAC/DC | Frequency/rate meter, DIN 96x48 mm, color change display, pulse input, 2NO relay output, 24 VAC/DC | 261.30 | 4547648238809 |

Process indicator ideal for discriminating and displaying measurements



These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 168496 | K3HB-XAA 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, AC current input 0-19.999mA to 0-10A, 100-240 VAC supply | 482.00 | 4547648021814 |
| 168444 | K3HB-XAD 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC current input ±199.99mA and 4.000 to 20.000mA, 100-240 VAC supply | 416.10 | 4547648021777 |
| 168445 | K3HB-XAD 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC current input ±199.99mA and 4.000 to 20.000mA, 24 VAC/VDC supply | 439.20 | 4547648021784 |
| 168442 | K3HB-XVD 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC voltage input ±199.99V and 1.0000 to 5.0000V, 100-240 VAC supply | 429.10 | 4547648021753 |
| 168443 | K3HB-XVD 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, DC voltage input ±199.99V and 1.0000 to 5.0000V, 24 VAC/VDC supply | 432.30 | 4547648021760 |

New high-speed, high-precision temperature indicator



These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 168448 | K3HB-HTA 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Temperature sensor inputS , PT100,K, J, T, E, L, U, N, R, S, B, W, 100-240 VAC supply | 572.50 | 4547648022651 |



Weighing indicator measuring pressure, load, torque and weight

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 50Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 168446 | K3HB-VLC 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Load cell input (DC low voltage input), 0.00 to 19.999mV/0.000 to 19.999mV/100.00 to 199.99mV, 100-240 VAC supply | 426.00 | 4547648022477 |
| 168447 | K3HB-VLC 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Load cell input (DC low voltage input), 0.00 to 19.999mV/0.000 to 19.999mV/100.00 to 199.99mV, 24 VAC/VDC supply | 426.00 | 4547648022484 |



Linear sensor indicator capable of high-speed response

These indicators with analogue input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB series is high speed, with a sample rate of 2,000Hz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 118207 | K3HB-SSD 24VAC/DC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Linear sensor/transducor input, DC process inputs scaled 0 to 5v, 1 to 5V, -5 to +5V, -10 to +10V, 0 to 20mA or 4 to 20mA 24 VAC | 812.00 | 4547648008501 |

High-speed up-/down-counting pulse indicator

These indicators with digital input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB-C is high speed, with a sample rate up to 50kHz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 180120 | K3HB-CNB 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Up/Down counting pulse, 30Hz to 50kHz No voltage, voltage or NPN open collector, 100-240 VAC supply | 429.10 | 4547648109864 |
| 181448 | K3HB-CPB 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Up/Down counting pulse, 30Hz to 50kHz No voltage, voltage or PNP open collector, 24 VAC/VDC supply | 432.30 | 4547648140348 |

Rotary pulse indicator capable of 50kHz measurements

These indicators with digital input feature a clear and easy-to-use colour-change display. All models are equipped with an IP66 housing. K3HB-R is high speed, with a sample rate up to 50kHz.

- Position meter indication for easy monitoring
- Optional DeviceNet, RS-232C, RS-485
- Double display, with 5 digits, in two colours
- Dimensions: H 48 x W 96 x D 100mm

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 180112 | K3HB-RNB 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or NPN open collector, 100-240 VAC supply | 429.10 | 4547648109789 |
| 180113 | K3HB-RNB 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual color change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or NPN open collector, 24 VAC/VDC supply | 442.30 | 4547648109796 |
| 180114 | K3HB-RPB 100-240VAC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual colour change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or PNP open collector, 100-240 VAC supply | 439.20 | 4547648109802 |
| 180115 | K3HB-RPB 24VAC/VDC | Digital panel meter, DIN1/8 (48(h) x 96(w)), 2 line display with dual colour change for actual value, output and option slots, Rotary pulse/Rate indicator, 30Hz to 50kHz No voltage, voltage or PNP open collector, 24 VAC/VDC supply | 419.50 | 4547648109819 |

1/8 DIN indicators accessories

1/8 DIN advanced indicators

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 147813 | K33-A | option board (Slot B), not compatible with K3N models, 12 VDC 80mA sensor power supply , not suitable for K3HB-V models | 50.75 | 4536854951220 |
| 168451 | K33-B | option board (Slot B), not compatible with K3N models, 10 VDC 100mA sensor power supply for K3HB-V models | 52.15 | 4547648022842 |
| 105740 | K33-CPA | option board (Slot B), not compatible with K3N models, 1 relay (PASS) SPDT and 12 VDC 80mA sensor power supply | 60.70 | 4536854951213 |
| 168450 | K33-CPB | option board (Slot B), not compatible with K3N series, 1 relay (PASS) SPDT and 10 VDC 100mA power supply | 63.35 | 4547648022835 |
| 168458 | K33-FLK3A | option board (Slot B), not compatible with K3N models, Communications RS-485 and 10 VDC 100mA sensor power supply | 109.30 | 4547648022910 |
| 168459 | K33-FLK3B | option board (Slot B), not compatible with K3N models, Communications RS-485 and 10 VDC 100mA sensor power supply | 129.00 | 4547648022927 |
| 168452 | K33-L1A | option board (Slot B), not compatible with K3N models, Linear DC (0)4-20mA Output and 12 VDC 80mA sensor power supply | 206.10 | 4547648022859 |
| 168453 | K33-L1B | option board (Slot B), not compatible with K3N models, Linear DC (0)4-20mA Output and 12 VDC 80mA sensor power supply | 232.90 | 4547648022866 |
| 168454 | K33-L2A | option board (Slot B), not compatible with K3N models, Linear DC(0)1-5V or 0 to 10V Output and 12 VDC 80mA sensor power supply | 206.10 | 4547648022873 |
| 168455 | K33-L2B | option board (Slot B), not compatible with K3N models, Linear DC(0)1-5V or 0 to 10V Output and 12 VDC 80mA sensor power supply | 242.70 | 4547648022880 |
| 155312 | K34-C1 | option board (Slot C), not compatible with K3N models, 2 relays (High/Low) SPDT for each relay | 73.25 | 4536854927195 |
| 118248 | K34-C2 | option board (Slot C), not compatible with K3N models, 4 relays (HH/H/L/LL) SPNO for each relay | 92.50 | 4536854927201 |
| 118249 | K34-T1 | option board (Slot C), not compatible with K3N models, 5 NPN open collector output (HH/H/PASS/L/LL) | 85.25 | 4536854927218 |
| 118250 | K34-T2 | option board (Slot C), not compatible with K3N models, 5 PNP open collector output (HH/H/PASS/L/LL) | 84.20 | 4536854927225 |
| 118251 | K35-1 | option board (Slot D), not compatible with K3N models, NPN open collector event input card 5 points M3 terminal block | 65.35 | 4536854927232 |
| 144606 | K35-3 | option board (Slot D), not compatible with K3N models, PNP open collector event input card 5 points M3 terminal block | 79.60 | 4536854927249 |

Additional panel indicators

Additional panel indicators

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 117712 | K3SC-10 100-240VAC | Communications converter, RS-232C/USB to RS-422/RS-485, DIN rail or direct panel mounting, operation LED indicators for quick reference, Baud rate to 38400bps, quick dip switch setting, small size only 30x79x78 mm (wxhxd), 100 to 240 VAC supply voltage | 361.80 | 4536854712531 |
| 115897 | M7E-01HRP2 | Digital display, Hexadecimal, positive logic input, Red display colour | 70.75 | 4536853702878 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 118244 | K32-49HC | Hard cover for use with 96x48mm panel meter | 6.64 | 4536853597092 |
| 146531 | K32-49SC | Splash-proof soft cover for use with 96x48mm panel meter | 22.81 | 4536853597153 |

Global power monitor for mounting inside control panels

- Solve design, installation, and operation topics.
- You can measure up to four circuits with one power monitor.
- Use general-purpose CTs and handle a variety of worksites.
- Large, easy-to-read white LCD for improved visibility.
- IEC Class 0.5S high-precision measurements (Power monitor only).

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 669418 | KM-N2-FLK | Multi-circuit compact power monitor device for DIN rail mounting | 191.70 | 4548583795624 |

Global power monitor for On-panel installation

- Solve design, installation, and operation topics.
- You can measure up to four circuits with one power monitor.
- Use general-purpose CTs and handle a variety of worksites.
- Large, easy-to-read white and green LCD for improved visibility.
- IEC Class 0.5S high-precision measurements (Power monitor only).

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 672546 | KM-N3-FLK | Multi-circuit compact power monitor device for on panel installation | 184.20 | 4548583800199 |



Highly visible on-panel energy monitoring

KM50 can measure produced and consumed Power, Current and Voltage as well as leading reactive power, lagging reactive power, power factor, frequency amongst others.

- Assist energy saving analysis with built in energy classification functionality.
- High precision measurements even for currents below 5% of the nominal value through automatic range switching.
- Able to measure and distinguish consumed and generated power.
- Measurement of reactive power and power factor.
- Pulse measurement integrated and direct conversion to measure Energy Management KPI (f.i. n. of pcs / kWh).
- No VT required, direct voltage detection / openable CTs
- Multi-colored display
- Modbus communications
- Built-in data logging

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|--------------|
| 380520 | KM50-E1-FLK | Power monitor, on-panel 48x96 mm with LED display, 1-phase / 2-wire, 3-phase / 3-wire, Compoway/F and Modbus | 177.50 | 454764882220 |

Additional energy monitoring devices

Additional energy monitoring devices

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 380519 | KM20-CTF-50A | Current transformer, field installation, 50 A, for cable dia. 9.5 mm max | 22.93 | 4547648706223 |
| 380509 | KM20-CTF-CB3 | Cable for current transformer, 3 m | 16.81 | 4547648706780 |

IoT Flow Sensors

Detect Signs of Abnormalities in Cooling Water by Simultaneous Measurement of "Flow Rate + Temperature"

- Multi-sensing of "Flow rate + temperature" for preventing a sudden stops or manufacturing defects.
- Various lineup of replacement adapters to enable easy replacement of your current pressure gauges and flow meters.
- Analog current output function in addition to the IO-Link communications function that can perform self-diagnosis of abnormalities in the sensor itself.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 684379 | E8FC-YA-R25A | Flow sensor adapter, R taper thread, 25A 1, SUS304 | 65.00 | 4549734213097 |

E8PC Pressure Sensors**Pressure control****IoT Pressure Sensors**

Detect Signs of Abnormalities in Cooling Water and Hydraulic Oil by Simultaneous Measurement of "Pressure + Temperature"

- Multi-sensing of "Pressure + temperature" for preventing a sudden stops or manufacturing defects.
- Various lineup of replacement adapters to enable easy replacement of your current pressure gauges and flow meters.
- Analog current output function in addition to the IO-Link communications function that can perform self-diagnosis of abnormalities in the sensor itself.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 684402 | E8PC-YA-A38 | Pressure sensor adapter, R taper thread, male, 10A 3/8, SUS304 | 94.95 | 4549734213325 |

Additional control components**Additional control components**

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 382980 | MS16MOLLE | Hold down and release clip, plastic, relay height 16 mm | 0.38 | 8020028144274 |
| 382981 | MS25 MOLLE | Hold down and release clip, plastic, relay height 25 mm | 0.35 | 8020028144281 |
| 382992 | TYPE 42 | Plug-in module with LED and damping diode, 6-24 VDC, for mounting on PES 50, PES35, PES50/3, PES15/4B | 2.51 | 8020028142683 |



The only truly industrial 6 mm relay

Having been designed from first principles, instead of being adapted from a PCB relay, Omron's G2RV series is the only genuine slim industrial relay on the market. As a result, the G2RV offers a wide array of benefits to machine manufacturers and panel builders. Just 6mm wide, the relay is ideal for compact panels and equipment, yet it offers all of the durability and reliability required for industrial applications.

- Push-in plus Technology – easy wiring
- Lockable test switch models available
- Large plug-in pins – excellent connection
- LED/mechanical flag – check operation
- Transparent housing – check condition
- Slim outline – space saving
- Special input type with gold plated contacts
- G3RV compatible

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------------|---|-----------|---------------|
| 678033 | G2RV-SR500 110VAC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 110 VAC | 12.92 | 4549734135887 |
| 678027 | G2RV-SR500 12VDC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 12 VDC | 12.41 | 4549734135856 |
| 678019 | G2RV-SR500 230VAC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 230 VAC | 12.92 | 4549734135900 |
| 678028 | G2RV-SR500 24VAC/DC | Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VAC/DC | 10.88 | 4549734135917 |
| 678005 | G2RV-SR500 24VDC | Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VDC | 12.41 | 4549734135863 |
| 678030 | G2RV-SR500 48VAC/DC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Push-in terminals, 48 VAC/DC | 13.53 | 4549734135924 |
| 678039 | G2RV-SR500-AP 230VAC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 230 VAC | 15.47 | 4549734135825 |
| 678038 | G2RV-SR500-AP 24VAC/DC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 24 VAC/DC | 13.55 | 4549734135832 |
| 678007 | G2RV-SR500-AP 24VDC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Push-in terminals, 24 VDC | 12.32 | 4549734135788 |
| 678017 | G2RV-SR501 24VAC/DC | Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VAC/DC, Test switch | 13.97 | 4549734135948 |
| 678015 | G2RV-SR501 24VDC | Slimline relay 6mm incl. socket, SPDT, 6 A, Push-in terminals, 24 VDC, Test switch | 11.63 | 4549734135931 |
| 678020 | G2RV-SR700 110VAC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 110 VAC | 12.53 | 4549734136068 |
| 678006 | G2RV-SR700 12VDC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 12 VDC | 12.00 | 4549734136037 |
| 678040 | G2RV-SR700 230VAC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 230 VAC | 12.53 | 4549734136082 |
| 678013 | G2RV-SR700 24VAC/DC | Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VAC/DC | 12.08 | 4549734136099 |
| 678023 | G2RV-SR700 24VDC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 24 VDC | 12.00 | 4549734136044 |
| 678010 | G2RV-SR700 48VAC/DC | Slimline relay 6 mm incl. socket, SPDT, 6 A, Screw terminals, 48 VAC/DC | 12.06 | 4549734136105 |
| 678025 | G2RV-SR700-AP 230VAC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 230 VAC | 15.27 | 4549734136006 |
| 678026 | G2RV-SR700-AP 24VAC/DC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 24 VAC/DC | 14.23 | 4549734136013 |
| 678034 | G2RV-SR700-AP 24VDC | Slimline input relay 6 mm incl. socket, SPDT, 50 mA, Screw terminals, 24 VDC | 12.15 | 4549734135962 |
| 678016 | G2RV-SR701 24VAC/DC | Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VAC/DC, test switch | 11.25 | 4549734136129 |
| 678031 | G2RV-SR701 24VDC | Slimline relay 6mm incl. socket, SPDT, 6 A, Screw terminals, 24 VDC, test switch | 13.15 | 4549734136112 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 670565 | G2RV-1-S-AP-G 21VDC | Slimline input relay (6 mm width), SPDT, 50 mA, for replacement in G2RV-SR***-AP 24DC or 24 VAC/DC | 5.29 | 4548583793736 |
| 670574 | G2RV-1-S-G 21VDC | Relay, SPCO, 6 A contacts, for replacement in G2RV-SR*00 24DC or 24 VAC/DC | 4.82 | 4548583793705 |
| 392551 | G2RV-1-SI 21VDC | Slimline relay (6mm width), lockable test switch, SPDT, 6 A, for replacement in G2RV-SL701/501 24VDC or 24VAC/DC | 5.15 | 4548583545649 |
| 670567 | G2RV-1-SI-G 21VDC | Slimline relay (6 mm width), lockable test switch, SPDT, 6 A, for replacement in G2RV-SR701/501 24VDC or 24 VAC/DC | 5.15 | 4548583793750 |
| 379395 | P2RV-4-100C | G2RV interface cable for use between CJ1W-OD232/OD262 and 4 P2RV-8-O-F modules, 1 m | 84.25 | 4548583493346 |
| 379396 | P2RV-4-200C | G2RV interface cable for use between CJ1W-OD232/OD262 and 4 P2RV-8-O-F modules, 2 m | 116.20 | 4548583493353 |
| 379407 | P2RV-A100C | G2RV interface cable with flying leads for use with P2RV-8-O-F or P2RV-8-I-F module, 1 m | 25.18 | 4548583493469 |
| 379416 | P2RV-A100C-OMR NX | G2RV interface cable for use between NX-OD4256 and P2RV-8-O-F module, 1 m | 37.63 | 4548583493551 |
| 379408 | P2RV-A200C | G2RV interface cable with flying leads for use with P2RV-8-O-F or P2RV-8-I-F module, 2 m | 25.18 | 4548583493476 |
| 670361 | P2RVC-8-I-5-1 | Interface unit for G2RV-SR/G3RV-SR Push-in, PLC Input, 8 channels, PNP, 30V AC/DC, Total 2A, Push-in | 41.97 | 4548583798625 |
| 670364 | P2RVC-8-I-7-1 | Interface unit for G2RV-SR/G3RV-SR Screw, PLC Input, 8 channels, PNP, 30V AC/DC, Total 2A, Rising-up screw | 41.15 | 4548583798632 |
| 670383 | P2RVC-8-O-5-1 | Interface unit for G2RV-SR/G3RV-SR Push-in, PLC Output, 8 channels, PNP, 30V AC/DC, Total 2A, Push-in | 42.80 | 4548583798656 |
| 670355 | P2RVC-8-O-7-1 | Interface unit for G2RV-SR/G3RV-SR Screw, PLC Output, 8 channels, PNP, 30V AC/DC, Total 2A, Rising-up screw | 42.37 | 4548583798663 |
| 670352 | PYDN-6.2-020R | Accessory for G2RV-SR/G3RV-SR, Cross bar, 2 poles, Red color | 2.88 | 4548583798458 |
| 670362 | PYDN-6.2-020S | Accessory for G2RV-SR/G3RV-SR, Cross bar, 2 poles, Blue color | 2.88 | 4548583798465 |
| 670350 | PYDN-6.2-030R | Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Red color | 4.28 | 4548583798489 |
| 670378 | PYDN-6.2-030S | Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Blue color | 4.28 | 4548583798496 |
| 670351 | PYDN-6.2-030Y | Accessory for G2RV-SR/G3RV-SR, Cross bar, 3 poles, Yellow color | 4.28 | 4548583798502 |
| 670365 | PYDN-6.2-040R | Accessory for G2RV-SR/G3RV-SR, Cross bar, 4 poles, Red color | 5.69 | 4548583798519 |
| 670368 | PYDN-6.2-040S | Accessory for G2RV-SR/G3RV-SR, Cross bar, 4 poles, Blue color | 5.69 | 4548583798526 |
| 670360 | PYDN-6.2-100R | Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Red color | 5.94 | 4548583798540 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 670379 | PYDN-6.2-100S | Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Blue color | 5.94 | 4548583798557 |
| 670353 | PYDN-6.2-100Y | Accessory for G2RV-SR/G3RV-SR, Cross bar, 10 poles, Yellow color | 5.94 | 4548583798564 |
| 670349 | PYDN-6.2-200R | Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Red color | 6.80 | 4548583798571 |
| 670371 | PYDN-6.2-200S | Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Blue color | 6.80 | 4548583798588 |
| 670372 | PYDN-6.2-200Y | Accessory for G2RV-SR/G3RV-SR, Cross bar, 20 poles, Yellow color | 6.80 | 4548583798595 |

G2R-_-S

Industrial plug-in relays

Plug-in relay with enhanced features covers a wide range of applications



G2RS series, which comes as standard with a mechanical indicator and nameplate covering a wide range of interface applications. Optionally available with gold clad contacts and diode, whilst the socket and crossbar range offer maximum flexibility during installation.

- SPDT type 10A / DPDT type 5 A
- Mechanical Flag, LED indicator and momentary / lockable testbutton optional
- Transparent housing
- Screwless clamp terminal sockets available
- Space saving – 16 mm width (including sockets)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------|---|-----------|---------------|
| 103539 | G2R-1-S 110VAC (S) | Relay, plug-in, SPDT, 10 A, mechanical indicator, 110 VAC | 5.27 | 4536854936449 |
| 125430 | G2R-1-S 12VDC (S) | Relay, plug-in, SPDT, 10 A, mechanical indicator, 12 VDC | 3.98 | 4536854937149 |
| 163223 | G2R-1-S 230VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 230 VAC | 8.00 | 4536854936463 |
| 157868 | G2R-1-S 24VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 24 VAC | 4.76 | 4536854936432 |
| 146726 | G2R-1-S 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech indicator, label facility, 24 VDC | 3.89 | 4536854937156 |
| 125342 | G2R-1-SN 110VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility | 8.37 | 4536854936517 |
| 204264 | G2R-1-SN 12VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility, 12 VAC | 7.27 | 4547648001137 |
| 125339 | G2R-1-SN 12VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility | 6.03 | 4536854937163 |
| 125344 | G2R-1-SN 230VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility | 11.61 | 4536854936531 |
| 142329 | G2R-1-SN 240VAC (S) | Relay, plug-in, SPDT, 10 A, mech. & LED indicator, 240 VAC | 10.88 | 4536854936555 |
| 155293 | G2R-1-SN 24VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility | 7.65 | 4536854936500 |
| 125340 | G2R-1-SN 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility | 6.03 | 4536854937170 |
| 125341 | G2R-1-SN 48VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, label facility, 48 VDC | 4.88 | 4536854936494 |
| 125351 | G2R-1-SND 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility | 7.65 | 4536854937200 |
| 125352 | G2R-1-SND 48VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility | 7.61 | 4536854936616 |
| 177299 | G2R-1-SND-AP3 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, label facility, Au-plating | 11.26 | 4547648000505 |
| 157870 | G2R-1-SNDI 12VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, lockable test button, label facility, 12 VDC | 8.71 | 4536854936722 |
| 125358 | G2R-1-SNDI 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, coil suppressor, lockable test button, label facility | 8.00 | 4536854936739 |
| 171112 | G2R-1-SNDI-AP3 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A gold plate contacts, mech & LED indicators, coil suppressor, lockable test button, label facility | 8.00 | 4547648074704 |
| 142328 | G2R-1-SNI 110VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility, 110 AC | 8.37 | 4536854936678 |
| 152249 | G2R-1-SNI 12VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility | 6.12 | 4536854936630 |
| 152248 | G2R-1-SNI 230VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility | 10.53 | 4536854936692 |
| 156685 | G2R-1-SNI 24VAC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility | 7.65 | 4536854936661 |
| 154479 | G2R-1-SNI 24VDC (S) | Relay, plug-in, 5-pin, SPDT, 10 A, mech & LED indicators, lockable test button, label facility | 6.12 | 4536854936647 |
| 125365 | G2R-2-S 110VAC (S) | Relay, plug-in, DPDT, 5 A, mechanical indicator, 110 VAC | 6.90 | 4536854936791 |
| 125361 | G2R-2-S 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VDC | 5.02 | 4536854937217 |
| 162371 | G2R-2-S 230VAC (S) | Relay, plug-in, DPST, 10 A, mechanical indicator, 230 VAC | 8.00 | 4536854936814 |
| 125367 | G2R-2-S 240VAC (S) | Relay, plug-in, DPDT, 5 A, mechanical indicator, 240 VAC | 10.16 | 4536854936821 |
| 125364 | G2R-2-S 24VAC (S) | Relay, plug-in, DPDT, 5 A, mechanical indicator, 24 VAC | 5.32 | 4536854936784 |
| 125362 | G2R-2-S 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, label facility, 24 VDC | 4.95 | 4536854937224 |
| 125372 | G2R-2-SN 110VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 110 VAC | 9.08 | 4536854936883 |
| 191253 | G2R-2-SN 110VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 110 VDC | 12.00 | 4547648001380 |
| 157869 | G2R-2-SN 120VAC (S) | Relay, plug-in, DPDT, 5 A, mech. & LED indicator, 120 VAC | 11.61 | 4536854936890 |
| 193950 | G2R-2-SN 12VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 12 VAC | 9.08 | 4547648001229 |
| 125369 | G2R-2-SN 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 12 VDC | 6.52 | 4536854936845 |
| 125373 | G2R-2-SN 230VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 230 VAC | 12.35 | 4536854936906 |
| 154480 | G2R-2-SN 240VAC (S) | Relay, plug-in, DPDT, 5 A, mech. & LED indicator, 240 VAC | 11.61 | 4536854936913 |
| 125371 | G2R-2-SN 24VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 24 VAC | 10.53 | 4536854936876 |
| 143419 | G2R-2-SN 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 24 VDC | 6.52 | 4536854936852 |
| 125370 | G2R-2-SN 48VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, label facility, 48 VDC | 6.52 | 4536854936869 |
| 177302 | G2R-2-SN-AP3 230VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, LED indicator | 18.51 | 4547648000710 |
| 177303 | G2R-2-SN-AP3 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, LED indicator | 11.26 | 4547648000727 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------|--|-----------|---------------|
| 125377 | G2R-2-SND 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility, 12 VDC | 8.71 | 4536854936982 |
| 105724 | G2R-2-SND 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility | 9.08 | 4536854936999 |
| 145666 | G2R-2-SND 48VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, label facility, 48 VDC | 8.37 | 4536854937002 |
| 177300 | G2R-2-SND-AP3 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, gold-plated contacts, mech & LED indicators, coil suppressor, label facility | 9.08 | 4547648000635 |
| 125290 | G2R-2-SNDI 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, lockable test button, label facility, 12 VDC | 9.08 | 4536854937118 |
| 125291 | G2R-2-SNDI 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, coil suppressor, lockable test button, label facility | 8.71 | 4536854937125 |
| 171113 | G2R-2-SNDI-AP3 24VDC (S) | Relay, plug-in, 8-pin, SPDT, 5 A, mech & LED indicators, coil suppressor, label test button, Au-plating | 12.00 | 4547648074711 |
| 154482 | G2R-2-SNI 110VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility | 9.45 | 4536854937064 |
| 125379 | G2R-2-SNI 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility, 12 VDC | 6.90 | 4536854937026 |
| 125383 | G2R-2-SNI 230VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility | 14.19 | 4536854937088 |
| 125382 | G2R-2-SNI 24VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility | 6.90 | 4536854937057 |
| 125380 | G2R-2-SNI 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility | 6.90 | 4536854937033 |
| 183088 | G2R-2-SNI 48VAC (S) | Relay, plug-in, 8-pin, DPDT, 5 A, mech & LED indicators, lockable test button, label facility | 9.08 | 4547648000406 |
| 171111 | G2R-2-SNI-AP3 230VAC (S) | Relay, plug-in, DPDT (gold plated), 5 A, mech. & LED indicator, test button, 230 VAC | 18.89 | 4547648074698 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 378831 | P2CM-ESS | Clip & release lever for P2RF-**-ESS socket (1 pc = 1 bag including 10 levers) | 3.12 | 4548583488021 |
| 145976 | P2CM-S | Clip for use with P2RF-S | 0.28 | 4536854886522 |
| 151502 | P2R-05P | Socket, back-connecting, 5-pin, PCB terminals | 1.64 | 4536854742576 |
| 113545 | P2R-08P | Socket, back-connecting, 8-pin, PCB terminals | 2.03 | 4536854742569 |
| 113336 | P2RM-SB | Socket bridge (for use with P2RF_S) | 25.43 | 4536854894480 |
| 103463 | P2RM-SR | Socket bridge (for use with P2RF_S) | 26.16 | 4536854894473 |
| 147906 | PFP-M | End plate | 1.96 | 4536853722715 |
| 379324 | PYC-TR | Name plate for P2RF-**-ESS socket (1 pc = 1 bag including 10 plates) | 2.37 | 4547648969277 |

A miniature power relay



The LY series is equipped with arc barrier and built-in diode. LY comes in single-, double-, three- and four-pole models. The available mounting types are DIN-rail by socket, PCB & flange mounting.

- SPDT, DPDT, 3PDT and 4PDT contact types
- DIN-rail by socket, PCB and flange mounting types available
- 10A rated load

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 116888 | LY1 24VDC | Relay, plug-in, 5-pin, SPDT, 15 A, 24 VDC | 4.87 | 4536853605544 |
| 116875 | LY1N-D2 24VDC | Relay, plug-in, 5-pin, SPDT, 15 A, LED indicator, coil suppression, 24 VDC | 13.46 | 4536853604868 |
| 144278 | LY2 100/110VAC | Relay, plug-in, 8-pin, DPDT, 10 A, 100/110 VAC | 5.56 | 4536853611439 |
| 153006 | LY2 100/110VDC | Relay, plug-in, 8-pin, DPDT, 10 A, 100/110 VDC | 6.02 | 4536853611545 |
| 116738 | LY2 110/120VAC | Relay, plug-in, 8-pin, DPDT, 10 A, 110/120 VAC | 5.56 | 4536853611446 |
| 153005 | LY2 12VAC | Relay, plug-in, 8-pin, DPDT, 10 A, 12 VAC | 5.56 | 4536853611378 |
| 116741 | LY2 12VDC | Relay, plug-in, 8-pin, DPDT, 10 A, 12 VDC | 5.56 | 4536853611491 |
| 116739 | LY2 200/220VAC | Relay, plug-in, DPDT, 10 A, 200/220 VAC | 6.02 | 4536853611460 |
| 154980 | LY2 220/240VAC | Relay, plug-in, 8-pin, DPDT, 10 A, 220/240 VAC | 6.02 | 4536853611477 |
| 150789 | LY2 24VAC | Relay, plug-in, 8-pin, DPDT, 10 A, 24 VAC | 5.56 | 4536853611385 |
| 116742 | LY2 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, 24 VDC | 5.56 | 4536853611507 |
| 103958 | LY2 48VDC | Relay, plug-in, 8-pin, DPDT, 10A, 48 VDC | 5.56 | 4536853611521 |
| 116633 | LY2-0 24VDC | Relay, PCB pins, 8-pin, DPDT, 10 A, 24 VDC | 5.92 | 4536853615284 |
| 116787 | LY2-D 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, coil suppression, 24 VDC | 12.26 | 4536853608477 |
| 116656 | LY2F 220/240VAC | Relay, Flange mount, plug-in, 8-pin, DPDT, 10 A, 220/240 VAC | 6.54 | 4536853611668 |
| 116681 | LY2I4N 110/120VAC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button | 6.91 | 4536853612672 |
| 116682 | LY2I4N 220/240VAC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button | 7.29 | 4536853612702 |
| 103143 | LY2I4N 24VAC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button | 6.91 | 4536853612719 |
| 157562 | LY2I4N 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, test button | 6.91 | 4536853612757 |
| 150790 | LY2N 100/110VAC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 100/110 VAC | 6.70 | 4536853612399 |
| 116664 | LY2N 220/240VAC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 220/240 VAC | 10.39 | 4536853612429 |
| 149665 | LY2N 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, 24 VDC | 9.20 | 4536853612450 |
| 150062 | LY2N-CR 220/240VAC | Relay, plug-in, DPDT, 10 A, LED indicator, RC circuit, 220/240 VAC | 20.73 | 4536853609542 |
| 156651 | LY2N-D2 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, LED indicator, coil suppressor | 14.99 | 4536853608811 |
| 103960 | LY4 100/110VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, 100/110 VAC | 10.75 | 4536853621063 |
| 116452 | LY4 100/110VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, 100/110 VDC | 11.15 | 4536853621186 |
| 116448 | LY4 12VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, 12 VDC | 10.75 | 4536853621124 |
| 116367 | LY4 230VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, 230 VAC | 11.15 | 4536853621605 |
| 116441 | LY4 24VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, 24 VAC | 10.75 | 4536853621025 |
| 116449 | LY4 24VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, 24 VDC | 10.75 | 4536853621131 |
| 143117 | LY4 48VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, 48 VDC | 10.75 | 4536853621162 |
| 116395 | LY4I4N 110/120VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button | 12.26 | 4536853621940 |
| 103147 | LY4I4N 230VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button | 12.69 | 4536853621971 |
| 116399 | LY4I4N 24VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, test button | 11.90 | 4536853622039 |
| 145374 | LY4N 100/110VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 100/110 VAC | 11.90 | 4536853621698 |
| 116375 | LY4N 200/220VAC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 200/220 VAC | 12.69 | 4536853621728 |
| 116382 | LY4N 24VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, 24 VDC | 11.90 | 4536853621797 |
| 155264 | LY4N-D2 100/110VDC | Relay, plug-in, 4PDT, 10 A, LED indicator, diode, 100/110 VDC | 17.95 | 4536853620578 |
| 153315 | LY4N-D2 24VDC | Relay, plug-in, 14-pin, 4PDT, 10 A, LED indicator, coil suppressor, 24 VDC | 21.89 | 4536853620509 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 113372 | PT14-0 | Socket, back-connecting, 14-pin, PCB terminals | 3.05 | 4536853724443 |
| 113374 | PTF08A | Socket, DIN rail/surface mounting, 8-pin, screw terminal (plate clamp) | 5.10 | 4536853724573 |
| 113375 | PTF11A | Socket, DIN rail/surface mounting, 11-pin, screw terminals | 7.69 | 4536853724580 |
| 113378 | PTF14A-E | Socket, DIN rail/surface mounting, 14-pin, screw terminals | 7.69 | 4536853724672 |



Exceptionally reliable general-purpose relay

The MK(S) series has proven to be exceptionally reliable since its introduction almost 50 years ago. In order to provide the same easy testing as our other relay families, the MK-S is equipped with a lockable test button offering the same function/operation as the MY(S) and G2R(S) families.

- 8-pin DPDT and 11-pin 3PDT contact types
- Switching current up to 10 A
- Lockable test button for easy testing
- Temperature rating from -40°C up to 60°C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 376281 | MKS2P 110VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator | 11.78 | 4547648413046 |
| 376285 | MKS2P 230VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator | 9.32 | 4547648413084 |
| 376278 | MKS2P 24VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator | 10.29 | 4547648413015 |
| 376289 | MKS2P 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator | 8.67 | 4547648413121 |
| 376681 | MKS2PI 110VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 8.81 | 4547648413893 |
| 376677 | MKS2PI 12VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 8.67 | 4547648413855 |
| 376688 | MKS2PI 12VDC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 10.14 | 4547648413961 |
| 376685 | MKS2PI 230VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 9.29 | 4547648413930 |
| 376678 | MKS2PI 24VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 8.62 | 4547648413862 |
| 376689 | MKS2PI 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, test button | 8.67 | 4547648413978 |
| 376766 | MKS2PIN 110VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button | 9.95 | 4547648440868 |
| 376770 | MKS2PIN 230VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button | 10.55 | 4547648440905 |
| 376763 | MKS2PIN 24VAC | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator, test button | 11.77 | 4547648440837 |
| 376774 | MKS2PIN 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, latching test button, 24 VDC | 9.81 | 4547648440943 |
| 376374 | MKS2PN 24VDC | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicator | 9.81 | 4547648437790 |
| 376319 | MKS3P 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 10.77 | 4547648413428 |
| 376323 | MKS3P 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 9.89 | 4547648413466 |
| 376349 | MKS3P-5 110VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 10.00 | 4547648413725 |
| 376353 | MKS3P-5 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 10.77 | 4547648413763 |
| 376346 | MKS3P-5 24VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 9.89 | 4547648413695 |
| 376357 | MKS3P-5 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator | 9.45 | 4547648413800 |
| 376719 | MKS3PI 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.75 | 4547648414272 |
| 376723 | MKS3PI 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.89 | 4547648414319 |
| 376749 | MKS3PI-5 110VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.57 | 4547648414579 |
| 376760 | MKS3PI-5 110VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 10.55 | 4547648414685 |
| 376745 | MKS3PI-5 12VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.89 | 4547648414531 |
| 376756 | MKS3PI-5 12VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.72 | 4547648414647 |
| 376753 | MKS3PI-5 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 10.05 | 4547648414616 |
| 376746 | MKS3PI-5 24VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.68 | 4547648414548 |
| 376757 | MKS3PI-5 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 9.64 | 4547648414654 |
| 377095 | MKS3PI-5 48VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 13.68 | 4547648767538 |
| 376758 | MKS3PI-5 48VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button | 10.60 | 4547648414661 |
| 376902 | MKS3PI-D-5 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech indicator, test button, coil suppression | 10.56 | 4547648442220 |
| 376804 | MKS3PIN 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 11.94 | 4547648441247 |
| 376808 | MKS3PIN 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 11.04 | 4547648441285 |
| 376834 | MKS3PIN-5 110VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 11.15 | 4547648441544 |
| 376841 | MKS3PIN-5 12VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 13.24 | 4547648441612 |
| 376838 | MKS3PIN-5 230VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 11.44 | 4547648441582 |
| 376831 | MKS3PIN-5 24VAC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 11.04 | 4547648441513 |
| 376842 | MKS3PIN-5 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button | 10.98 | 4547648441629 |
| 377017 | MKS3PIN-D-5 24VDC | Relay, plug-in, 11-pin, 3PDT, 10 A, mech & LED indicator, test button, coil suppression | 11.54 | 4547648443371 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 382988 | PF083A-D | Socket, DIN rail/surface mounting, 8-pin, screw terminals (box clamp) | 5.01 | 4547648973458 |
| 333396 | PF083A-E | Socket, DIN rail/surface mounting, 8-pin, screw terminals (standard) | 2.84 | 4547648825917 |
| 148890 | PF085A(N) | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 5.24 | 4536853723064 |
| 382989 | PF113A-D | Socket, DIN rail/surface mounting, 11-pin, screw terminals (box clamp) | 4.59 | 4547648973465 |
| 333397 | PF113A-E | Socket, DIN rail/surface mounting, 11-pin, screw terminals (standard) | 2.87 | 4547648825931 |
| 382990 | PF113A-N | Socket, DIN rail/surface mounting, 11-pin, screw terminals (IEC/VDE). | 6.43 | 4547648973472 |
| 113525 | PFC-A1 | Retaining clips for MK relay & PF*-AE sockets | 0.87 | 4536853723156 |
| 113514 | PFP-50N | Din rail track, 500 mm | 11.70 | 4536853722708 |
| 148889 | PFP-S | Spacer | 1.16 | 4536853722722 |
| 113440 | PL08 | Socket, back-connecting, 8-pin, solder terminals | 2.13 | 4536853723903 |

Best-selling, general-purpose relays that can be selected based on operating environment and application



MY family has as standard feature on all models* like: transparent cover, mechanical indicator to easily check the contacts status and the LED not only to indicate the correct operation of the relay, but also to immediate identify the coil voltage type: red LED for AC coil and green LED for DC coil

Less temperature increase thanks to the 2.6 mm wide pins which offer a higher conductivity Selection is possible to suit the application, such as models with operation indicators and models with latching levers (MY plug-in terminals).

Wiring work can be shortened by as much as 60%** compared to conventional screw terminal sockets. Combining the MY with the push-in plus terminal sockets (PYF-[]-PU) the light insertion force permits to reduce the wiring time.

* Special models are excluded

** When both push-in plus terminals and screw terminal sockets are combined with plug-in terminal types

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|---|-----------|---------------|
| 151180 | MY2 110/120VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 110/120 VAC | 5.43 | 4536854362828 |
| 114080 | MY2 12VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VAC | 5.33 | 4536854362798 |
| 114082 | MY2 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 12 VDC | 5.15 | 4536854362859 |
| 114081 | MY2 220/240VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility | 5.57 | 4536854362835 |
| 103514 | MY2 24VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility | 5.36 | 4536854362804 |
| 114083 | MY2 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility | 5.15 | 4536854362866 |
| 153319 | MY2 48/50VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 48/50 VAC | 5.40 | 4536854362811 |
| 114084 | MY2 48VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech indicator, label facility, 48 VDC | 5.29 | 4536854362873 |
| 155266 | MY2IN 100/110VDC (S) | Relay, plug-in, DPDT, 10 A, mech. & LED indicator, test button, 100/110 VDC (A2'+) | 7.03 | 4536854363177 |
| 114101 | MY2IN 110/120VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, test button, label facility | 6.25 | 4536854363115 |
| 156657 | MY2IN 12VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility, 12 VAC | 6.10 | 4536854363085 |
| 114103 | MY2IN 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility | 6.10 | 4536854363146 |
| 156658 | MY2IN 220/240VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility | 7.03 | 4536854363122 |
| 114099 | MY2IN 24VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, test button, label facility | 6.10 | 4536854363092 |
| 153320 | MY2IN 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility | 6.10 | 4536854363153 |
| 114100 | MY2IN 48/50VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility | 6.10 | 4536854363108 |
| 114104 | MY2IN 48VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility | 6.28 | 4536854363160 |
| 114020 | MY2IN1 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, lockable push to test button, label facility, reversed polarity | 6.10 | 4536854363320 |
| 154452 | MY2IN1-D2 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC | 9.94 | 4536854363429 |
| 114013 | MY2IN-CR 220/240VAC (S) | Relay, plug-in, DPDT, 10 A, mech. & LED indicator, test button, RC circuit, 220/240 VAC | 8.15 | 4536854363245 |
| 143510 | MY2IN-D2 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC | 9.94 | 4536854363207 |
| 114089 | MY2N 110/120VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 110/120 VAC | 5.93 | 4536854362934 |
| 156656 | MY2N 12VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 12 VDC | 5.73 | 4536854362965 |
| 114090 | MY2N 220/240VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 220/240 VAC | 6.66 | 4536854362941 |
| 104348 | MY2N 24VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 24 VAC | 5.73 | 4536854362910 |
| 103515 | MY2N 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, label facility, 24 VDC | 5.73 | 4536854362972 |
| 142429 | MY2N-CR 110/120VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility, 110/120 VAC | 11.12 | 4536854363054 |
| 114098 | MY2N-CR 220/240VAC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility | 11.53 | 4536854363061 |
| 114095 | MY2N-D2 24VDC (S) | Relay, plug-in, 8-pin, DPDT, 10 A, mech & LED indicators, coil suppressor, label facility, 24 VDC | 8.75 | 4536854363023 |
| 114033 | MY4 100/110VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 100/110 VDC | 6.69 | 4536854363559 |
| 145767 | MY4 110/120VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 110/120 VAC | 6.39 | 4536854363498 |
| 145768 | MY4 125VDC (S) | Relay, plug-in, 4PDT, 5 A, mechanical indicator, 125 VDC | 7.47 | 4536854485824 |
| 114028 | MY4 12VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 12 VAC | 6.28 | 4536854363467 |
| 114031 | MY4 12VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 12 VDC | 6.10 | 4536854363528 |
| 147900 | MY4 220/240VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility | 6.50 | 4536854363504 |
| 103517 | MY4 24VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility | 6.23 | 4536854363474 |
| 157842 | MY4 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility | 6.09 | 4536854363535 |
| 114029 | MY4 48/50VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 48/50 VAC | 6.35 | 4536854363481 |
| 114032 | MY4 48VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech indicator, label facility, 48 VDC | 6.25 | 4536854363542 |
| 114054 | MY4IN 100/110VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, 100/110 VDC | 7.92 | 4536854363849 |
| 114050 | MY4IN 110/120VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, test button, label facility | 7.13 | 4536854363788 |
| 114047 | MY4IN 12VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, 12 VAC | 7.13 | 4536854363757 |
| 114053 | MY4IN 12VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility | 7.13 | 4536854363818 |
| 114051 | MY4IN 220/240VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility | 7.92 | 4536854363795 |
| 114048 | MY4IN 24VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, test button, label facility | 7.13 | 4536854363764 |
| 152216 | MY4IN 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility | 7.13 | 4536854363825 |
| 114049 | MY4IN 48/50VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility | 7.13 | 4536854363771 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|--|-----------|---------------|
| 103518 | MY4IN 48VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility | 7.13 | 4536854363832 |
| 113970 | MY4IN1 100/110VDC (S) | Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, lockable push to test button, label facility, 100/110 VDC | 7.92 | 4536854364013 |
| 143511 | MY4IN1 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, lockable push to test button, label facility, reversed polarity | 7.13 | 4536854363993 |
| 113975 | MY4IN1-D2 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC | 10.73 | 4536854364099 |
| 142432 | MY4IN-CR 110/120VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 100/120 VAC | 8.79 | 4536854363900 |
| 113963 | MY4IN-CR 220/240VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 220/240 VAC VDC | 15.86 | 4536854363917 |
| 114056 | MY4IN-D2 12VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 12 VDC | 10.73 | 4536854363863 |
| 146835 | MY4IN-D2 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, lockable push to test button, label facility, 24 VDC | 10.73 | 4536854363870 |
| 150066 | MY4N 100/110VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 100/110 VDC | 7.54 | 4536854363665 |
| 155268 | MY4N 110/120VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 110/120 VAC | 6.93 | 4536854363603 |
| 114039 | MY4N 12VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 12 VDC | 6.76 | 4536854363634 |
| 147901 | MY4N 220/240VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 220/240 VAC | 7.54 | 4536854363610 |
| 114036 | MY4N 24VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 24 VAC | 6.76 | 4536854363580 |
| 114040 | MY4N 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, label facility, 24 VDC | 6.76 | 4536854363641 |
| 113966 | MY4N1 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, reverse coil polarity, 5 A, mech & LED indicators, label facility, 24 VDC | 9.15 | 4536854363948 |
| 114044 | MY4N-CR 110/120VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 110/120 VAC | 11.89 | 4536854363726 |
| 114045 | MY4N-CR 220/240VAC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 220/240 VAC | 12.69 | 4536854363733 |
| 154453 | MY4N-D2 12VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 12 VDC | 9.94 | 4536854363689 |
| 144683 | MY4N-D2 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, 5 A, mech & LED indicators, coil suppressor, label facility, 24 VDC | 9.53 | 4536854363696 |
| 113980 | MY4Z 24VDC (S) | Relay, plug-in, 14-pin, bifurcated contacts, 4PDT, 5 A, mech indicator, label facility, 24 VDC | 11.12 | 4536854364204 |
| 113986 | MY4ZN 220/240VAC (S) | Relay, plug-in, 4PDT (bifurcated), 3 A, mech. + LED indicator, 220/240 VAC | 13.88 | 4536854364280 |
| 113987 | MY4ZN 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, bifurcated contacts, 5 A, mech & LED indicators, label facility, 24 VDC | 13.10 | 4536854364310 |
| 114005 | MY4ZN-D2 24VDC (S) | Relay, plug-in, 14-pin, 4PDT, bifurcated contacts, 5 A, mech & LED indicators, coil suppressor label facility, 24 VDC | 15.86 | 4536854364570 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 104360 | PY08-02 | Socket, back-connecting, 8-pin, PCB terminals | 1.39 | 4536853725693 |
| 113299 | PY14 | Socket, back-connecting, 14-pin, solder terminals | 1.80 | 4536853725334 |
| 149949 | PY14-02 | Socket, back-connecting, 14-pin, PCB terminals | 1.80 | 4536853725617 |
| 383002 | PYC-0 | Metal retaining clip (wire sprig clip) for use with PYF14-ESN/ESS (for use with relays only). Sold in multiples of 10 per package, not available separately | 2.77 | 4547648973595 |
| 371504 | PYC-35-B | Hold-down clip, plastic, for PYF14-ESS-B/-ES-B, sold in multiples of 10 per package | 4.25 | 4547648942225 |
| 113324 | PYC-A1 | Retaining clips for LY/MY relay & PTF/PYF_E/N socket | 0.37 | 4536853726171 |
| 156669 | PYC-E1 | Retaining clips for MY2IN(S) relay & PYF_E/N socket | 0.45 | 4536854382406 |
| 157441 | PYCM-08S | Clip and release lever for PYF08S socket | 0.28 | 4536854750793 |
| 142635 | PYCM-14S | Clip and release lever for PYF14S socket | 0.41 | 4536854750816 |
| 154464 | PYC-P | Retaining clip for LY/MY relay & PT/PY socket | 0.22 | 4536853726058 |
| 659477 | PYC-TR1 | Labels for PYF14-ESN/ESS sockets. (1 pc = 1 bag including 10 labels) | 1.57 | 4548583953093 |

DC-switching relay that can switch 220 VDC, 10 A (resistive load)

The MK-S(X) is the smallest relay in the world that can switch 220VDC 10A resistive load. Applications include the safe and reliable switching of valves, solenoids, contactor coils and other instances where high resistive loads are encountered.

- Suitable for DC-switching
- DC load switching up to 10 A; 220 VDC (resistive load)
- AC load models are capable of switching up to 15 A; 250 VAC (resistive load)
- SPST-NO/SPST-NC contact form enables contact welding detection
- Lockable test button for easy testing

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 367822 | MKS1XTIN-10 24VDC | Relay for DC load, 5-pin plug-in, 10 A, 220 VDC, SPST-NO, LED indicator, lockable test button | 21.98 | 4548583310315 |

G7J Industrial high power relays**A high-capacity multi-pole relay used like a contactor**

With a rated load current of 25A due to the miniature hinge for maximum switching power, the G7J can switch both motor loads as well as resistive and inductive loads. G7J has no contact chattering for momentary voltage drops up to 50% of its rated voltage.

- 4PST-NO, 3PST-NO / SPST-NC or DPST-NO / DPST-NC contact types
- Quick-connect, PCB or screw terminals
- 25A rated load
- Compatible with momentary voltage drops
- Can be used like a contactor

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 121804 | G7J-3A1B-B 24VDC | Power Relay, 3PST-NO/SPST-NC, W-bracket mounting, 25 A, 24 VDC | 19.91 | 4536853475390 |
| 149737 | G7J-3A1B-P 24VDC | Power relay, PCB mounting, 3PST-NO/SPST-NC, 25 A, 24 VDC | 20.70 | 4536853475239 |
| 377176 | G7J-4A-B 24VDC | Power Relay, 4PST-NO, screw terminal, 24 VDC | 23.54 | 4547648393706 |
| 121790 | G7J-4A-P 24VDC | Power relay, PCB mounting, 4PST-NO, 25 A, 24 VDC | 24.50 | 4536853475215 |
| 151903 | G7J-4A-T 200/240VAC | Power relay, W-bracket mounting, quick connect terminals, 4PST-NO, 25 A, 200/240 VAC | 24.10 | 4536853476090 |
| 121829 | G7J-4A-T 24VDC | Power relay, W-bracket mounting, quick connect terminals, 4PST-NO, 25 A, 24 VDC | 23.63 | 4536853476144 |



Multi-pole power relay

A high-capacity, high-dielectric-strength relay compatible with momentary voltage drops. G7L is equipped with a double-break mechanism and a test button (excluding -P models).

- SPST-NO or DPST-NO contact types
- Quick connect, PCB or screw terminals
- 20, 25 or 30A rated load
- Compatible with momentary voltage drops
- Wide range of applications with 100 or 200V coils

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 112515 | R99-04 FOR G5F | Surface mounting W-bracket for G7J relay | 0.82 | 4536853729486 |



Compact 160 Amp Power Relay

G7Z series provides a compact, cost efficient solution for applications such as inverters, UPS, solar and fuel-cell battery circuits. Relay in combination with auxiliary contact block meets EN 60947-4-1. Coil ratings are available in 12 and 24 VDC. Power consumption is less than 4 watts.

- Switching current 160 A (40 A rating / 4-pole / IEC-AC1)
- Switching voltage 440 VAC
- Safety function with mirror contacts in various configurations
- Power consumption less than 4 Watts
- Low Switching Noise (70 dB)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|----------------------------|-----------|---------------|
| 351605 | G7Z-4A 24VDC | Power relay, 40 A, 4PST-NO | 66.30 | 4547648298964 |

Push-In Plus technology sockets



Sockets with Push-In Plus technology to save work added to series for MY and G2R-S relays

- Push-In Plus technology is used to save wiring work in comparison with traditional screw terminals
- No screw loosening means maintenance-free application
- Light insertion force and strong pull-out strength to achieve both less wiring work and high reliability
- 'Hand-free' structure that holds an inserted screwdriver to achieve easier wiring work for stranded wires
- Two wires can be independently inserted into each terminal hole
- DIN Track mounting or screw mounting

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 113538 | P2RF-05-E | Socket, DIN rail/surface mounting, 5-pin, screw terminals | 3.99 | 4536854742316 |
| 378829 | P2RF-05-ESS | G2RS socket, 1-pole, DIN-rail/surface-mounting, screw (box type) | 4.18 | 4548583488007 |
| 113546 | P2RF-05-S | Socket, DIN rail/surface mounting, 5-pin, screwless terminals | 4.40 | 4536854883453 |
| 113543 | P2RF-08 | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 9.86 | 4536854742514 |
| 113539 | P2RF-08-E | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 6.36 | 4536854742323 |
| 378830 | P2RF-08-ESS | G2RS socket, 2-pole, DIN-rail/surface-mounting, screw (box type) | 3.93 | 4548583488014 |
| 113547 | P2RF-08-S | Socket, DIN rail/surface mounting, 8-pin, screwless terminals | 7.00 | 4536854883460 |
| 168907 | PYF08A-E | Socket, DIN rail/surface mounting, 8-pin, screw terminals (standard) | 4.17 | 4547648009195 |
| 168910 | PYF08A-N | Socket, DIN rail/surface mounting, 8-pin, screw terminals (IEC/VDE) | 3.96 | 4547648009232 |
| 113312 | PYF08S | Socket, DIN rail mounting, 8-pin, screwless terminals | 4.01 | 4536854750762 |
| 154463 | PYF11A | Socket, DIN rail/surface mounting, 11-pin, screw terminals | 7.10 | 4536853725594 |
| 168908 | PYF14A-E | Socket, DIN rail/surface mounting, 14-pin, screw terminals (standard) | 6.13 | 4547648009218 |
| 168911 | PYF14A-N | Socket, DIN rail/surface mounting, 14-pin, screw terminals (IEC/VDE) | 4.40 | 4547648009256 |
| 371508 | PYF14-ESN-B | Socket, with common and coil terminals on the bottom and with the NC & NO terminal on the top - Black. | 3.81 | 4547648942263 |
| 371510 | PYF14-ESS-B | Socket, with common, NC & NO terminals at the top and the coil terminals at the bottom - Black | 4.32 | 4547648942287 |
| 113313 | PYF14S | Socket, DIN rail mounting, 14-pin, screwless terminals | 4.82 | 4536854750786 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 670377 | PYDN-15.5-080R | Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Red color | 5.74 | 4548583798304 |
| 670366 | PYDN-15.5-080S | Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Blue color | 5.74 | 4548583798311 |
| 670356 | PYDN-15.5-080Y | Accessory for PYF-PU, 15.5mm pitch, 8 Poles, Yellow color | 5.74 | 4548583798328 |
| 670348 | PYDN-31.0-080R | Accessory for PYF-PU, 31mm pitch, 8 Poles, Red color | 6.68 | 4548583798274 |
| 670363 | PYDN-31.0-080S | Accessory for PYF-PU, 31mm pitch, 8 Poles, Blue color | 6.68 | 4548583798281 |
| 670373 | PYDN-7.75-020S | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 2 Poles, Blue color | 3.72 | 4548583798342 |
| 670384 | PYDN-7.75-040R | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 4 Poles, Red color | 5.74 | 4548583798397 |
| 670358 | PYDN-7.75-040S | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 4 Poles, Blue color | 5.74 | 4548583798403 |
| 670374 | PYDN-7.75-200R | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Red color | 6.86 | 4548583798427 |
| 670359 | PYDN-7.75-200S | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Blue color | 6.86 | 4548583798434 |
| 670382 | PYDN-7.75-200Y | Accessory for PYF-PU/P2RF-PU, 7.75mm pitch, 20 Poles, Yellow color | 6.86 | 4548583798441 |

Additional relay sockets

Relay sockets

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 113518 | 14PFA | Socket, DIN rail/surface mounting, 14-pin, screw terminals | 9.96 | 4536853722777 |
| 113516 | 8PFA | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 4.53 | 4536853722746 |
| 113517 | 8PFA1 | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 4.78 | 4536853722753 |
| 113612 | P2CF-08-E | Socket, DIN rail/surface mounting, 8-pin, screw terminals | 7.58 | 4536854821103 |
| 113613 | P2CF-11-E | Socket, DIN rail/surface mounting, 11-pin, screw terminals | 9.74 | 4536854821004 |
| 142420 | P3G-08 | Socket, back-connecting, 8-pin, screw terminals | 8.14 | 4536854821035 |
| 120939 | P3GA-11 | Socket, back-connecting, 11-pin, screw terminals | 10.36 | 4536854821141 |
| 377102 | P7MF-06-D | Socket, DIN rail/surface for 1- and 2-pole MK-S_X/T relays, with built-in diode | 9.78 | 4547648737036 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 382985 | PES-35 | Socket, DIN rail/surface mounting, 5-pin, screw terminals, for G2R-1 PCB relay | 3.11 | 8020028273509 |
| 382986 | PES-50 | Socket, DIN rail/surface mounting, screw terminals | 5.32 | 8020028273592 |
| 382987 | PES50/3 | Socket, DIN rail/surface mounting, 8-pin, screw terminals, for G2R-2 PCB relay | 3.75 | 8020028274919 |

Additional relays

Additional relays

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|---|-----------|---------------|
| 143184 | G78-16-P2RF-E | Relay common busbar for 16x P2RF socket base | 5.05 | 4536853484668 |
| 377103 | P7TF-05 | Socket, DIN rail/surface mounting, 5-pin, screw terminals | 11.02 | 4536854793455 |

Industrial 6 mm "slim" SSR



As well as being slim and thus saving panel space, G3RV relays are very strong, have a large contact area and non-bendable pins. Connection to a PLC is easy and achieved faultlessly in a few seconds via click connectors. In addition, power switching in G3RV relays with DC outputs is managed by a MOSFET in the output, which has ideal heat dissipation characteristics.

- G2RV compatible
- LED indicator built in SSR
- Push-in plus technology and accessories for easy wiring

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 323541 | G3RV-202S 24VDC | Slim solid state relay, plug-in, 5-pin, 2A, 75-264VAC | 19.97 | 4547648741071 |
| 323547 | G3RV-D03SL 24VDC | Slim solid state relay, plug-in, 5-pin, 3 A, 5 - 24 VDC | 17.66 | 4547648741132 |
| 669868 | G3RV-SR500-A 24VAC/DC | Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Push-in terminals, 24V AC/DC, Zero-cross | 33.87 | 4548583797819 |
| 669922 | G3RV-SR500-A 24VDC | Slimline SSR 6mm, incl. socket, AC output TRIAC, 2 A, Push-in terminals, 24VDC, Zero-cross | 33.87 | 4548583797765 |
| 669860 | G3RV-SR500-D 24VAC/DC | Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Push-in terminals, 24V AC/DC | 34.28 | 4548583797734 |
| 669870 | G3RV-SR500-D 24VDC | Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Push-in terminals, 24V DC | 33.30 | 4548583797680 |
| 669907 | G3RV-SR700-A 230VAC | Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 230V AC, Zero-cross | 39.00 | 4548583798045 |
| 669916 | G3RV-SR700-A 24VAC/DC | Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 24V AC/DC, Zero-cross | 33.77 | 4548583798052 |
| 669865 | G3RV-SR700-A 24VDC | Slimline SSR 6mm, incl. socket, AC output TRIAC, 2A, Screw terminals, 24V DC, Zero-cross | 32.88 | 4548583798007 |
| 669892 | G3RV-SR700-D 12VDC | Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 12V DC | 33.83 | 4548583797918 |
| 669894 | G3RV-SR700-D 24VAC/DC | Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 24V AC/DC | 34.24 | 4548583797970 |
| 669919 | G3RV-SR700-D 24VDC | Slimline SSR 6mm, incl. socket, DC output MOSFET, 3A, Screw terminals, 24V DC | 32.48 | 4548583797925 |

Compact SSR for I/O interface with high dielectric strength requirements



High-speed models with optimum input ratings for a variety of sensors are available, as well as input and output modules that can be used instead of the G2RS. Use a coupler conforming to VDE 0884 and assuring an I/O dielectric strength of 4,000V.

- 1.5 and 2A output current
- 5 to 200VDC/100 to 240VAC output voltages
- Compatible with G2RS electromechanical relays
- DIN-rail mounting via sockets
- Operation indicator to confirm input

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------------|--|-----------|---------------|
| 124671 | G3R-IDZR1SN-UTU 12-24VDC | Solid state relay (input), plug-in, 0.1-100 mA (4-32 VDC), high-speed (1 kHz), 12-24 VDC | 20.73 | 4536853418625 |
| 124673 | G3R-OA202SLN-UTU 5-24VDC | Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 75-264 VAC | 19.97 | 4536853418632 |
| 124674 | G3R-OA202SZN-UTU 5-24VDC | Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 75-264 VAC | 19.97 | 4536853418649 |
| 124676 | G3R-OD201SN-UTU 5-24VDC | Solid state relay, plug-in, 5-pin, 1-pole, 1.5A, 48-200VDC | 23.40 | 4536853418663 |
| 124675 | G3R-ODX02SN-UTU 5-24VDC | Solid state relay, plug-in, 5-pin, 1-pole, 2 A, 4-60 VDC | 22.67 | 4536853418656 |



Hockey puck style SSR with 5-90A output currents

All models feature the same compact dimensions to provide a uniform mounting pitch. A built-in varistor effectively absorbs external surges. The operation indicator enables monitoring operation.

- 5-90A output current
- 24-480VAC/5-200VDC output voltages
- Built-in varistor
- Operation indicator (red LED)
- Protective cover for greater safety

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|--|-----------|----------------|
| 377386 | G3NA-210B-UTU 5-24VDC | Solid state relay, surface mounting, zero crossing, 1-pole, 10 A, 24 to 240 VAC | 21.89 | 4536854807954 |
| 377387 | G3NA-220B-UTU 5-24VDC | Solid state relay, surface mounting, zero crossing, 1-pole, 20 A, 24 to 240 VAC | 28.10 | 4536854808012 |
| 377388 | G3NA-240B-UTU 5-24VDC | Solid state relay, surface mounting, zero crossing, 1-pole, 40 A, 24 to 240 VAC | 51.20 | 45368548573580 |
| 377389 | G3NA-425B-UTU-2 5-24VDC | Solid state relay, surface mounting, zero crossing, 1-pole, 25 A, 200 to 480 VAC | 55.85 | 4548583045514 |
| 377390 | G3NA-450B-UTU-2 5-24VDC | Solid state relay, surface mounting, zero crossing, 1-pole, 50 A, 200 to 480 VAC | 73.55 | 4548583045538 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 114077 | R99-11 | Nameplate for MY relay (packet of 100) (not PYF14ESN / ESS) | 14.79 | 4536854445897 |
| 166375 | R99-12 FOR G3NA | Mounting bracket for G3NA | 14.79 | 4536854912924 |
| 154222 | Y92B-A100 | Heat sink, economic model, for G3NA-205B/-210B/-D210B/-220B/-410B/-420B | 22.41 | 4536853411190 |
| 107399 | Y92B-N100 | Heat sink for G3NA-220/420B SSR | 33.57 | 4536854247149 |
| 107400 | Y92B-N150 | Heat sink for G3NA-240/440B SSR | 46.06 | 4536854247156 |
| 105361 | Y92B-N50 | Heat sink for G3NA-205/210B SSR | 19.81 | 4536854247132 |
| 171957 | Y92B-P250NF | Heat sink for G3NA-275/290/475/490B SSR | 280.90 | 4547648087520 |



Solid State Relays with exchangeable power cartridge

Optimum design of the heat sink has contributed to the downsizing of this product. The power element cartridges of the G3PA are easily replaceable for easy maintenance. G3PA can be mounted on a DIN-rail or using screws.

- 20-60 A output current
- 24-480 VAC output voltages
- Applicable with 3-phase loads
- Replaceable power element cartridges

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------------|---|-----------|---------------|
| 376268 | G3PA-240B-VD 5-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 40 A, 264 VAC max | 81.80 | 4536854864407 |
| 376269 | G3PA-260B-VD 5-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 60 A, 264 VAC max | 118.30 | 4536854864414 |
| 376270 | G3PA-420B-VD 12-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 20 A, 440 VAC max | 80.85 | 4536854864568 |
| 124813 | G3PA-420B-VD-2 12-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 20 A, 440 VAC max | 104.50 | 4536854487217 |
| 376271 | G3PA-430B-VD 12-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 30 A, 440 VAC max | 131.80 | 4536854864575 |
| 124815 | G3PA-430B-VD-2 12-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 30 A, 440 VAC max | 176.70 | 4536854515484 |
| 124814 | G3PA-450B-VD-2 12-24VDC | Solid state relay, DIN rail/surface mounting, 1-pole, 50 A, 440 VAC max | 234.80 | 4536854515477 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 377393 | G32A-A40-VD 5-24VDC | Replacement cartridge for G3PA-240B SSR, suitable for 'VD' versions only | 61.90 | 4536854866722 |
| 377395 | G32A-A420-VD 12-24VDC | Replacement cartridge for G3PA-420B-VD SSR | 91.95 | 4536854866784 |
| 377396 | G32A-A430-VD 12-24VDC | Replacement cartridge for G3PA-430B-VD SSR | 108.70 | 4536854866791 |
| 377394 | G32A-A60-VD 5-24VDC | Replacement cartridge for G3PA-260B SSR, suitable for 'VD' versions only | 101.20 | 4536854866739 |
| 125216 | G32A-EA 100-240VAC | Cycle controller for use with SSR's | 104.30 | 4536853420246 |

Solid state relays for heaters



Single-phase SSR for low heat generation enables carrying 25 A (G3PJ-25B(-PU)) even for close mounting of three SSRs to contribute to downsizing of control panels. Models available with push-in plus input terminals.

- SCCR of 10 kA (UL 508)
- Surge pass protection improves surge dielectric strength for output currents
- Both push-in plus and screw terminal input terminals available
- Mount to DIN Track or with screws
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------------|--|-----------|---------------|
| 669862 | G3PJ-215B DC12-24 | Solid-state relay, 1 phase, 18A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC | 42.23 | 4548583783331 |
| 669912 | G3PJ-215B-PU DC12-24 | Solid-state relay, 1 phase, 15A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminal | 47.64 | 4548583783379 |
| 669893 | G3PJ-225B DC12-24 | Solid-state relay, 1 phase, 27A, 24-240V AC, with heat sink, DIN rail mount, input voltage 12-24V DC | 52.30 | 4548583783348 |
| 669857 | G3PJ-225B-PU DC12-24 | Solid-state relay, 1 phase, 27A, 24-240 VAC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals | 57.30 | 4548583783386 |
| 669945 | G3PJ-515B DC12-24 | Solid-state relay, 1 phase, 23A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC | 65.40 | 4548583783355 |
| 669883 | G3PJ-515B-PU DC12-24 | Solid-state relay, 1 phase, 23A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals | 70.90 | 4548583783393 |
| 669932 | G3PJ-525B DC12-24 | Solid-state relay, 1 phase, 27A, 100-480 VAC, with heat sink, DIN rail mount, input voltage 12-24V DC | 76.00 | 4548583783362 |
| 669913 | G3PJ-525B-PU DC12-24 | Solid-state relay, 1 phase, 27A, 100-480V AC, with heat sink, DIN rail mount, input voltage 12-24V DC with Push-in terminals | 80.60 | 4548583783409 |



Omron's G3PE Compact Industrial SSR with outstanding surge endurance

The G3PE features an original surge-pass circuit that gives outstanding surge endurance and protects the semiconductor device against voltages in excess of 30kV.

- Single and three phase, 15-45 A output current
- 100-240VAC and 200-480 VAC output voltages
- Models available without zero cross
- Improved surge dielectric strength for output circuits
- Terminal cover with finger protection
- Mount to DIN track or with screws

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|---|-----------|---------------|
| 376272 | G3PE-215B 12-24VDC | Solid state relay, 1 phase, 15A 100-240 VAC, with heat sink, DIN rail mount | 42.72 | 4547648524896 |
| 375422 | G3PE-215B-3N 12-24VDC | Solid-State relay, 3-pole, DIN-track mounting, 15 A, 264 VAC max | 154.40 | 4548583409958 |
| 376273 | G3PE-225B 12-24VDC | Solid state relay, 1 phase, 25A 100-240 VAC, with heat sink, DIN rail mount | 48.97 | 4547648524902 |
| 375423 | G3PE-225B-3N 12-24VDC | Solid-State relay, 3-pole, DIN-track mounting, 25A, 264 VAC max | 196.70 | 4548583409965 |
| 375391 | G3PE-235B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 35 A, 264 VAC max | 57.20 | 4548583409613 |
| 375392 | G3PE-245B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 45 A, 264 VAC max | 71.65 | 4548583409620 |
| 375395 | G3PE-515B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 15 A, 528 VAC max | 69.20 | 4548583409675 |
| 375414 | G3PE-515B-3 12-24VDC | Solid-State relay, 3-pole, screw mounting, 15A, 528VAC max | 172.20 | 4548583409873 |
| 375430 | G3PE-515B-3N 12-24VDC | Solid state relay, 3-pole, DIN-track mounting, 15 A, 528 VAC max | 166.50 | 4548583410039 |
| 375396 | G3PE-525B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 25 A, 528 VAC max | 73.20 | 4548583409682 |
| 375427 | G3PE-525B-2N 12-24VDC | Solid state relay, 2-pole, DIN-track mounting, 25A, 528VAC max | 148.50 | 4548583410008 |
| 375415 | G3PE-525B-3 12-24VDC | Solid-State relay, 3-pole, screw mounting, 25A, 528VAC max | 204.70 | 4548583409880 |
| 375447 | G3PE-525B-3H 12-24VDC | Solid-State relay, 3-pole 25 A, 528 VAC max | 125.80 | 4548583410206 |
| 375431 | G3PE-525B-3N 12-24VDC | Solid state relay, 3-pole, DIN-track mounting, 25 A, 528 VAC max | 204.70 | 4548583410046 |
| 375397 | G3PE-535B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 35 A, 528 VAC max | 82.95 | 4548583409699 |
| 375428 | G3PE-535B-2N 12-24VDC | Solid state relay, 2-pole, DIN-track mounting, 35A, 528VAC max | 189.90 | 4548583410015 |
| 375432 | G3PE-535B-3N 12-24VDC | Solid state relay, 3-pole, DIN-track mounting, 35 A, 528 VAC max | 246.20 | 4548583410053 |
| 375390 | G3PE-545B 12-24VDC | Solid state relay, 1-pole, DIN-track mounting, 45 A, 528 VAC max | 84.50 | 4548583409705 |
| 375429 | G3PE-545B-2N 12-24VDC | Solid state relay, 2-pole, DIN-track mounting, 35A, 528VAC max | 200.90 | 4548583410022 |
| 375417 | G3PE-545B-3 12-24VDC | Solid-State relay, 3-pole, screw mounting, 45A, 528VAC max | 233.40 | 4548583409903 |
| 375433 | G3PE-545B-3N 12-24VDC | Solid state relay, 3-pole, DIN-track mounting, 45 A, 528 VAC max | 267.60 | 4548583410060 |



High-power, load-control SSRs with high current of 75 or 150 A at 240 or 480 VAC

The G3PH high power SSRs are designed to switch heaters like alloyed metal heaters (NI-CR heaters f.i.) and lamp heaters (halogen heaters f.i.). It has a replaceable power cartridge in order to save maintenance costs. The easy-to-mount monoblock construction incorporates a heatsink.

- 75 or 150 A; 240 or 480 VAC
- Replaceable power elements
- Built-in operation indicator
- Zero-cross and non zero-cross models available
- Surge-pass circuit

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|---|-----------|---------------|
| 355576 | G3PH-5150B 5-24VDC | Solid State Relay, surface mounting, max. load: 150 A, 180 to 480 VAC | 858.00 | 4548583055612 |



Thyristor-type single-phase power controller that enables precise temperature control

Compact and the possibility for side-by-side mounting for multiple units are the basics for this new generation of power controllers. Process value can be easily monitored via the 7-segment display on the front panel.

- Precise heater burnout detection
- Phase control or optimum cycle control
- RS-485 communications to set manipulated variables and monitor load current
- Total runtime monitoring
- Application with various loads: constant load resistance, variable load resistance

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 125222 | G32X-V2K | External variable resistor, 2 kW, for G3PW power controller | 45.01 | 4536853420321 |
| 260085 | G3PW-A220EC-C-FLK | Single phase power controller, constant current type, 20 A, SLC terminals | 424.80 | 4547648600422 |
| 260082 | G3PW-A220EU-S | Single phase power controller, standard type, 20 A, screw terminals | 363.60 | 4547648600361 |
| 260083 | G3PW-A245EU-S | Single phase power controller, standard type, 45 A, screw terminals | 477.50 | 4547648600378 |

G3NE

Industrial plug-in relays

Compact, low-cost, SSR switching 5 to 20A

This solid-state relay has a wide load voltage range: 75 to 264VAC. Both 100V and 200V loads can be handled with the same model. Dedicated, compact aluminum PCB and power elements are used. Its built-in varistor effectively absorbs external surges.



- 5-20A output current
- 75-264VAC output voltages
- Built-in varistor
- Quick-connect 110V input and 250V output terminals

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------------|--|-----------|---------------|
| 679635 | G3NE-210T-US 12VDC | SSR (quick connect), 1 ph, w/o heatsink, 10 A (100 to 240 VAC), zero cross, 12 VDC | 30.38 | 4547648016223 |
| 230921 | G3NE-220T-US 24VDC | Compact SSR, 20A, 264 VAC max, zero cross over | 21.12 | 4536854921360 |

Main mini contactor relay, 4-pole



Three basic units can be combined with different additional auxiliary contacts. 4-pole, 6-pole and 8-pole versions in different configurations are possible as well as different coil voltages (AC and DC). Accessories such as suppressors are available.

- Mirror contacts
- Screw fixing and snap fitting (35mm DIN-rail)
- Rated current = 10A (I-th)
- Suitable for electronic devices (DIN 19240)
- Finger proof (BGV A2)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 119016 | J7KNA-AR-22 24D | Contactor relay, 4-pole, 2M2B, 10A thermal current/3A AC-15, 24 VDC | 18.93 | 4536854851469 |
| 119023 | J7KNA-AR-31 24D | Contactor relay, 4-pole, 3M1B, 10A thermal current/3A AC-15, 24 VDC | 16.14 | 4536854851544 |
| 158036 | J7KNA-AR-40 230 | Contactor relay, 4-pole, 4M, 10 A thermal current/3 A AC-15, 230 VAC | 14.77 | 4536854851414 |
| 119029 | J7KNA-AR-40 24D | Contactor relay, 4-pole, 4M, 10A thermal current/3A AC-15, 24 VDC | 20.84 | 4536854851629 |
| 119031 | J7KNA-AR-40 24VS | Contactor relay, 4-pole, 4M, 10 A thermal current/3 A AC-15 with diode suppressor, 24 VDC | 21.49 | 4536854851667 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 119338 | J73KN-A-11 | Auxiliary contacts, 2-pole, 1M1B for J7KNA-AR relay | 3.99 | 4536854854736 |
| 119340 | J73KN-A-22 | Auxiliary contacts, 4-pole, 2M2B for J7KNA-AR relay | 6.88 | 4536854854750 |
| 119341 | J73KN-A-40 | Auxiliary contacts, 4-pole, 4M for J7KNA-AR relay | 6.88 | 4536854854767 |

Motor contactors from 4-5.5kW for normal duty switching



This modular system consists of main contactors and additional contact blocks. The basic units can be combined with auxiliary contacts (top mounting). Reversed versions, including integrated mechanical interlock, are available as well as 3-main-pole and 4-main-pole versions.

- 4kW and 5.5kW versions are available
- Different coil voltages (AC and DC)
- Mini and normal-size versions are available
- The contactors can be mounted with screw fixing and snap fitting on a DIN-rail
- All components are finger proof

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 145970 | J7KNA-09-01 230 | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 230 VAC | 13.30 | 4536854850486 |
| 119139 | J7KNA-09-01 24 | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 24 VAC | 13.27 | 4536854850431 |
| 119056 | J7KNA-09-01 24D | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary, 24 VDC | 19.00 | 4536854850615 |
| 149193 | J7KNA-09-01 24VS | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1B auxiliary with diode suppressor, 24 VDC | 21.11 | 4536854850653 |
| 119134 | J7KNA-09-10 230 | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 230 VAC | 13.30 | 4536854850387 |
| 119132 | J7KNA-09-10 24 | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 24 VAC | 13.30 | 4536854850332 |
| 119051 | J7KNA-09-10 24D | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary, 24 VDC | 19.00 | 4536854850530 |
| 119054 | J7KNA-09-10 24VS | Contactor, 3-pole, 9 A/4 kW AC3 (20 A AC1) + 1M auxiliary with diode suppressor, 24 VDC | 21.11 | 4536854850578 |
| 119136 | J7KNA-09-10 400 | Mini contactor, 3-pole, 4 kW; 9 A AC3 (400 VAC) + 1 NO, 400 VAC | 13.55 | 4536854850400 |
| 119076 | J7KNA-12-01 230 | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary, 230 VAC | 16.41 | 4536854850950 |
| 151253 | J7KNA-12-01 24D | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary, 24 VDC | 23.42 | 4536854851087 |
| 119087 | J7KNA-12-01 24VS | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1B auxiliary with diode suppressor, 24 VDC | 25.52 | 4536854851124 |
| 119068 | J7KNA-12-10 230 | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 230 VAC | 16.49 | 4536854850851 |
| 119065 | J7KNA-12-10 24 | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 24 VAC | 16.41 | 4536854850806 |
| 119080 | J7KNA-12-10 24D | Contactor, 3-pole, 12 A/5.5 kW AC3 (20 A AC1) + 1M auxiliary, 24 VDC | 23.42 | 4536854851001 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 119342 | J73KN-AM-11 | Auxiliary contacts, 2-pole, 1M1B for J7KNA contactor | 3.85 | 4536854854774 |
| 119344 | J73KN-AM-22 | Auxiliary contacts, 4-pole, 2M2B for J7KNA contactor | 6.88 | 4536854854798 |
| 119345 | J73KN-B-01 | Auxiliary contact, 1-pole, 1B, front mounting, 10 A for J7KN10-74 | 2.03 | 4536854854804 |
| 191890 | J73KN-B-01U | Auxiliary contact, 1-pole, 1B, front mounting, 10 A for J7KN10-74 (EM & LM version) | 5.45 | 4547648192057 |
| 119346 | J73KN-B-10 | Auxiliary contact, 1-pole, 1M, front mounting, 10 A for J7KN10-74 | 2.03 | 4536854854811 |
| 183577 | J73KN-B-10A | Auxiliary contact, 1-pole, 1M, front mounting, 6A for J7KN10-74 | 4.82 | 4547648171373 |
| 119347 | J73KN-C-11S | Auxiliary contacts, 2-pole, 1M1B side mounting, 10 A for J7KN24-74 | 5.90 | 4536854854828 |

Motor contactors from 4-500kW for normal and heavy-duty switching.



This modular system consists of main contactors and additional contact blocks. The basic units can be combined with auxiliary contacts. AC and DC versions, integrated mechanical interlock, are available as well as 3-main-pole and 4-main-pole versions.

- Basic units can be combined with auxiliary contacts (top/side mounting)
 - 3-main-pole and 4-main-pole versions are possible
 - The power range covers 4 to 500kW
 - Different coil voltages (AC and DC)
 - J7KN-10D to J7KN-22D models have integrated auxiliary contact for electronic circuits (3-pole versions)

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 367391 | J74-WKR-B2 | Busbars for reversing contactors (2 parts), J7KN-10 - J7KN-22 | 8.62 | 4548583137929 |
| 367266 | J7KN-10D-01 230 | Contactor, 3-pole, 10 A/4 kW AC3 (25 A AC1) + 1B auxiliary, 230 VAC | 15.61 | 4548583135482 |
| 367274 | J7KN-10D-10 110 | Contactor, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 110 VAC | 15.59 | 4548583135567 |
| 367278 | J7KN-10D-10 230 | Contactor, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 230 VAC | 15.54 | 4548583135604 |
| 367279 | J7KN-10D-10 24 | Contactor, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 24 VAC | 15.59 | 4548583135611 |
| 367280 | J7KN-10D-10 24D | Contactor, 3-pole, 4 kW; 10 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC | 24.57 | 4548583135628 |
| 245090 | J7KN-115 230 | Contactor, 3-pole, 55 kW; 115 A AC3 (380-415 VAC), 230 VAC/DC | 189.70 | 4547648526005 |
| 367298 | J7KN-14D-01 230 | Contactor, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1B auxiliary, 230 VAC | 16.84 | 4548583135802 |
| 367300 | J7KN-14D-01 24D | Contactor, 3-pole, 5.5 kW; 14 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC | 26.29 | 4548583135826 |
| 367310 | J7KN-14D-10 230 | Contactor, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1M auxiliary, 230 VAC | 16.93 | 4548583135925 |
| 367311 | J7KN-14D-10 24 | Contactor, 3-pole, 14 A/5.5 kW AC3 (25 A AC1) + 1M auxiliary, 24 VAC | 16.96 | 4548583135932 |
| 367312 | J7KN-14D-10 24D | Contactor, 3-pole, 5.5 kW; 14 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC | 26.29 | 4548583135949 |
| 183524 | J7KN-151 230 | Contactor, 3-pole, 150 A/75 kW AC3 (230 A AC1), 230 VAC | 268.70 | 4547648170840 |
| 367330 | J7KN-18D-01 230 | Contactor, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1B auxiliary, 230 VAC | 25.09 | 4548583136120 |
| 367332 | J7KN-18D-01 24D | Contactor, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC | 32.38 | 4548583136144 |
| 367338 | J7KN-18D-10 110 | Contactor, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NO aux., 110 VAC | 25.09 | 4548583136205 |
| 367342 | J7KN-18D-10 230 | Contactor, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1M auxiliary, 230 VAC | 25.09 | 4548583136243 |
| 367343 | J7KN-18D-10 24 | Contactor, 3-pole, 18 A/7.5 kW AC3 (32 A AC1) + 1M auxiliary, 24 VAC | 25.09 | 4548583136250 |
| 367344 | J7KN-18D-10 24D | Contactor, 3-pole, 7.5 kW; 18 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC | 32.38 | 4548583136267 |
| 367362 | J7KN-22D-01 230 | Contactor, 3-pole, 22 A/11 kW AC3 (32 A AC1) + 1B auxiliary, 230 VAC | 34.10 | 4548583136441 |
| 367364 | J7KN-22D-01 24D | Contactor, 3-pole, 11 kW; 22 A AC3 (380-415 VAC) + 1 NC aux., 24 VDC | 38.68 | 4548583136465 |
| 367374 | J7KN-22D-10 230 | Contactor, 3-pole, 22 A/11 kW AC3 (32 A AC1) + 1M auxiliary, 230 VAC | 34.10 | 4548583136564 |
| 367376 | J7KN-22D-10 24D | Contactor, 3-pole, 11 kW; 22 A AC3 (380-415 VAC) + 1 NO aux., 24 VDC | 38.68 | 4548583136588 |
| 148113 | J7KN-24 230 | Contactor, 3-pole, 24 A/11 kW AC-3 (50 A AC1), 230 VAC | 35.30 | 4536854852794 |
| 152417 | J7KN-24 24 | Contactor, 3-pole, 24 A/11 kW AC-3 (50 A AC1), 24 VAC | 35.30 | 4536854852749 |
| 151258 | J7KN-24 24D | Contactor, 3-pole, 24A/11kW AC-3 (50A AC1), 24 VDC | 34.44 | 4536854852824 |
| 104537 | J7KN-32 110 | Contactor, 3-pole, 32A/15kW AC-3 (65A AC1), 110 VAC | 48.17 | 4536854852893 |
| 158039 | J7KN-32 230 | Contactor, 3-pole, 32 A/15 kW AC-3 (65 A AC1), 230 VAC | 48.17 | 4536854852916 |
| 118897 | J7KN-32 24 | Contactor, 3-pole, 32 A/15 kW AC-3 (65 A AC1), 24 VAC | 48.17 | 4536854852862 |
| 118903 | J7KN-32 24D | Contactor, 3-pole, 32A/15kW AC-3 (65A AC1), 24 VDC | 52.40 | 4536854852947 |
| 118814 | J7KN-40 230 | Contactor, 3-pole, 40 A/18.5 kW AC-3 (80 A AC1), 230 VAC | 58.35 | 4536854853036 |
| 118816 | J7KN-40 24D | Contactor, 3-pole, 40A/18.5kW AC-3 (80A AC1), 24 VDC | 61.50 | 4536854853067 |
| 118823 | J7KN-50 230 | Contactor, 3-pole, 50 A/22 kW AC-3 (110 A AC1), 230 VAC | 73.90 | 4536854853159 |
| 118825 | J7KN-50 24D | Contactor, 3-pole, 50 A/22 kW AC-3 (110 A AC1), 24 VDC | 76.40 | 4536854853180 |
| 150146 | J7KN-62 230 | Contactor, 3-pole, 62 A/30 kW AC-3 (120 A AC1), 230 VAC | 105.70 | 4536854853272 |
| 118834 | J7KN-62 24D | Contactor, 3-pole, 62 A/30 kW AC-3 (120 A AC1), 24 VDC | 104.30 | 4536854853302 |
| 118841 | J7KN-74 230 | Contactor, 3-pole, 74 A/37 kW AC-3 (130 A AC1), 230 VAC | 121.60 | 4536854853395 |
| 245085 | J7KN-90 230 | Contactor, 3-pole, 45 kW; 90 A AC3 (380-415 VAC), 230 VAC/DC | 142.50 | 4547648525954 |
| 183546 | J7KNG-10-01 24D | Contactor, DC-operated (3VA), 3-pole, 10 A/4 kW AC3 + 1B auxiliary | 29.87 | 4547648171069 |
| 183550 | J7KNG-10-10 24D | Contactor, DC-operated (3VA), 3-pole, 10 A/4 kW AC3 + 1M auxiliary | 29.87 | 4547648171106 |
| 183554 | J7KNG-14-01 24D | Contactor, DC-operated (3VA), 3-pole, 14 A/5.5 kW AC3 + 1B auxiliary | 31.61 | 4547648171144 |
| 183558 | J7KNG-14-10 24D | Contactor, DC-operated (3VA), 3-pole, 14 A/5.5 kW AC3 + 1M auxiliary | 31.61 | 4547648171182 |
| 183562 | J7KNG-18-01 24D | Contactor, DC-operated (3VA), 3-pole, 18 A/7.5 kW AC3 + 1B auxiliary | 32.35 | 4547648171229 |
| 183566 | J7KNG-18-10 24D | Contactor, DC-operated (3VA), 3-pole, 18 A/7.5 kW AC3 + 1M auxiliary | 37.80 | 4547648171267 |
| 183570 | J7KNG-22-01 24D | Contactor, DC-operated (3VA), 3-pole, 22 A/11 kW AC3 + 1B auxiliary | 41.00 | 4547648171304 |
| 183574 | J7KNG-22-10 24D | Contactor, DC-operated (3VA), 3-pole, 22 A/11 kW AC3 + 1M auxiliary | 48.40 | 4547648171342 |
| 197345 | J7KNG-22-4 24D | DC solenoid motor contactor, 4-pole, 22A, 24 VDC | 46.08 | 4547648205979 |
| 197792 | J7KNG-32 24D | Contactor, DC-operated (3VA), 3-pole, 32 A/15 kW AC3 | 72.70 | 4547648206105 |
| 197798 | J7KNG-40 24D | Contactor, DC-operated (3VA), 3-pole, 40 A/18.5 kW AC3 | 84.85 | 4547648206167 |

Relay-size contactor, smallest in the world!



- AC and DC operated
- Integrated auxiliary contact
- Available as motor contactor and contactor relay
- >3 mm contact clearance acc. to IEC 60335-1 for safety applications
- Reversing contactor with mechanical interlock
- Mirror contacts (NC) acc. to IEC 60947-4-1 for safety applications
- J7KNU is designed to fit 15 mm DIN rails, but J75KN snap-on adapter make it suitable also for the standard 35 mm DIN rail

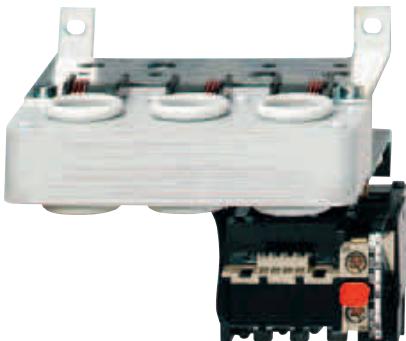
| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 675306 | J75KN-P-1039 | Snap-on adapter to mount J7KNU on DIN rail 35 mm | 1.46 | 4549734137188 |
| 668211 | J7KNU-05-01 110 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 110 VAC | 15.01 | 4548583765078 |
| 675301 | J7KNU-05-01 110D | Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC | 18.68 | 4549734134170 |
| 668195 | J7KNU-05-01 180 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 180 VAC | 15.01 | 4548583765085 |
| 668213 | J7KNU-05-01 230 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 230 VAC | 15.01 | 4548583765092 |
| 668219 | J7KNU-05-01 24 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 24 VAC | 15.01 | 4548583765108 |
| 675298 | J7KNU-05-01 24D | Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC | 18.68 | 4549734134149 |
| 668222 | J7KNU-05-01 48 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 48 VAC | 15.01 | 4548583765115 |
| 675312 | J7KNU-05-01 48D | Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC | 18.68 | 4549734134156 |
| 675302 | J7KNU-05-01 60D | Micro contactor, 3-pole (NO) + 1NC, 2.2 kW; 12A AC1 (up to 440 V), 60 VDC | 18.68 | 4549734134163 |
| 668206 | J7KNU-05-01 90 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NC, 90 VAC | 15.01 | 4548583765122 |
| 668207 | J7KNU-05-01R 110 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 110 VAC | 40.00 | 4548583765313 |
| 675300 | J7KNU-05-01R 110D | Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 110 VDC | 49.99 | 4549734134255 |
| 668217 | J7KNU-05-01R 180 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 180 VAC | 40.00 | 4548583765320 |
| 668212 | J7KNU-05-01R 230 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 230 VAC | 40.00 | 4548583765337 |
| 668196 | J7KNU-05-01R 24 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 24 VAC | 40.00 | 4548583765344 |
| 675297 | J7KNU-05-01R 24D | Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 24 VDC | 49.99 | 4549734134224 |
| 668200 | J7KNU-05-01R 48 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 48 VAC | 40.00 | 4548583765351 |
| 675303 | J7KNU-05-01R 48D | Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 48 VDC | 49.99 | 4549734134231 |
| 675307 | J7KNU-05-01R 60D | Micro contactor, reversing interlocked pair, 2.2kW, 3-pole (NO) + 1 NC, auxiliary contacts on both sides, 12A AC1 (up to 440 V), 60 VDC | 49.99 | 4549734134248 |
| 668218 | J7KNU-05-01R 90 | Micro contactor, reversing interlocked pair, 5A/2.2kW + 1 NC auxiliary on both sides, 90 VAC | 40.00 | 4548583765368 |
| 668208 | J7KNU-05-10 110 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 110 VAC | 15.01 | 4548583765139 |
| 675334 | J7KNU-05-10 110D | Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 110 VDC | 18.68 | 4549734134217 |
| 668216 | J7KNU-05-10 180 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 180 VAC | 15.01 | 4548583765146 |
| 668215 | J7KNU-05-10 230 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 230 VAC | 15.01 | 4548583765153 |
| 668203 | J7KNU-05-10 24 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 24 VAC | 15.01 | 4548583765160 |
| 675294 | J7KNU-05-10 24D | Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 24 VDC | 18.68 | 4549734134187 |
| 668204 | J7KNU-05-10 48 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 48 VAC | 15.01 | 4548583765177 |
| 675296 | J7KNU-05-10 48D | Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 48 VDC | 18.68 | 4549734134194 |
| 675293 | J7KNU-05-10 60D | Micro contactor, 3-pole (NO) + 1NO, 2.2 kW; 12A AC1 (up to 440 VAC), 60 VDC | 18.68 | 4549734134200 |
| 668209 | J7KNU-05-10 90 | Micro contactor, 3-pole, 2.2 kW; 5 A AC3 (400 VAC) + 1 NO, 90 VAC | 15.01 | 4548583765184 |
| 668444 | J7KNU-05-4 110 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 110 VAC | 16.67 | 4548583772373 |
| 668445 | J7KNU-05-4 180 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 180 VAC | 16.67 | 4548583772380 |
| 668443 | J7KNU-05-4 230 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 230 VAC | 16.67 | 4548583772397 |
| 668442 | J7KNU-05-4 24 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 24 VAC | 16.67 | 4548583772403 |
| 668446 | J7KNU-05-4 48 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 48 VAC | 16.67 | 4548583772410 |
| 668441 | J7KNU-05-4 90 | Micro contactor, 4-pole, 5 A/ 2.2 kW AC3 (12 A AC1), 90 VAC | 16.67 | 4548583772427 |
| 668199 | J7KNU-AR-22 110 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 110 VAC | 16.67 | 4548583765252 |
| 675305 | J7KNU-AR-22 110D | Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 110 VDC | 20.68 | 4549734134095 |
| 668221 | J7KNU-AR-22 180 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 180 VAC | 16.67 | 4548583765269 |
| 668193 | J7KNU-AR-22 230 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 230 VAC | 16.67 | 4548583765276 |
| 668202 | J7KNU-AR-22 24 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 24 VAC | 16.67 | 4548583765283 |
| 675309 | J7KNU-AR-22 24D | Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 24 VDC | 20.68 | 4549734134064 |
| 668220 | J7KNU-AR-22 48 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 48 VAC | 16.67 | 4548583765290 |
| 675308 | J7KNU-AR-22 48D | Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 48 VDC | 20.68 | 4549734134071 |
| 675299 | J7KNU-AR-22 60D | Micro contactor relay, 4-pole (2 NO & 2 NC), 3A AC15 (up to 230 V), 60 VDC | 20.68 | 4549734134088 |
| 668214 | J7KNU-AR-22 90 | Micro contactor relay, 4-pole (2 NO & 2 NC), 12 A AC1 (up to 440 VAC), 90 VAC | 16.67 | 4548583765306 |
| 668198 | J7KNU-AR-40 110 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 110 VAC | 16.67 | 4548583765191 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 675311 | J7KNU-AR-40 110D | Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 110 VDC | 20.68 | 4549734134132 |
| 668210 | J7KNU-AR-40 180 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 180 VAC | 16.67 | 4548583765207 |
| 668205 | J7KNU-AR-40 230 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 230 VAC | 16.67 | 4548583765214 |
| 668194 | J7KNU-AR-40 24 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 24 VAC | 16.67 | 4548583765221 |
| 675310 | J7KNU-AR-40 24D | Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 24 VDC | 20.68 | 4549734134101 |
| 668197 | J7KNU-AR-40 48 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 48 VAC | 16.67 | 4548583765238 |
| 675304 | J7KNU-AR-40 48D | Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 48 VDC | 20.68 | 4549734134118 |
| 675295 | J7KNU-AR-40 60D | Micro contactor relay, 4-pole (4 NO), 3A AC15 (up to 230 V), 60 VDC | 20.68 | 4549734134125 |
| 668201 | J7KNU-AR-40 90 | Micro contactor relay, 4-pole (4 NO), 12 A AC1 (up to 440 VAC), 90 VAC | 16.67 | 4548583765245 |

J7TKN

Thermal overload relays

Thermal overload relays for J7 contactors



J7TKN relays protect motors against thermal overload. They can be mounted on the contactor or separately. The relays comply with IEC 947 (single-phase sensitivity).

- Series of overload relays covering a setting range from 0.24A to 220A
- All components are finger proof

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|--|-----------|---------------|
| 119358 | J74KN-B-ML | Mechanical interlock for 2x J7KN10-40 | 2.74 | 4536854854903 |
| 367394 | J74KN-C2-RC230 | RC suppressor unit, 110 to 250 VAC/DC, fits J7KN10-74 | 12.16 | 4548583137905 |
| 367395 | J74KN-C2-RC24 | RC suppressor unit, 12 to 48 VAC/DC, fits J7KN10-74 | 11.34 | 4548583137912 |
| 119359 | J74KN-C-ML | Mechanical interlock for 2x J7KN24-74 | 5.85 | 4536854854910 |
| 169758 | J74KN-D-RC 24 | RC suppressor unit, 12-48 VAC/dc, fits J7KNA | 11.34 | 4547648044073 |
| 119375 | J74TK-SM | Separate mounting sets for J7TKN-B | 3.59 | 4536854855207 |
| 197815 | J7TKN-A-11 | Overload relay, 3-pole, 8-11A, direct mounting on J7KNA or J7KN10-22, hand reset | 24.62 | 4547648205658 |
| 197809 | J7TKN-A-1E2 | Overload relay, 3-pole, 0.8-1.2 A, direct mounting on J7KNA or J7KN10-22, manual reset | 21.73 | 4547648205597 |
| 197810 | J7TKN-A-1E8 | Overload relay, 3-pole, 1.2-1.8 A, direct mounting on J7KNA or J7KN10-22, manual reset | 20.56 | 4547648205603 |
| 197811 | J7TKN-A-2E7 | Overload relay, 3-pole, 1.8-2.7 A, direct mounting on J7KNA or J7KN10-22, manual reset | 20.58 | 4547648205610 |
| 197812 | J7TKN-A-4 | Overload relay, 3-pole, 2.7-4 A, direct mounting on J7KNA or J7KN10-22, manual reset | 20.58 | 4547648205627 |
| 197813 | J7TKN-A-6 | Overload relay, 3-pole, 4-6 A, direct mounting on J7KNA or J7KN10-22, manual reset | 20.50 | 4547648205634 |
| 197814 | J7TKN-A-9 | Overload relay, 3-pole, 6-9 A, direct mounting on J7KNA or J7KN10-22, manual reset | 20.50 | 4547648205641 |
| 197807 | J7TKN-A-E6 | Overload relay, 3-pole, 0.4-0.6 A, direct mounting on J7KNA or J7KN10-22, manual reset | 21.51 | 4547648205573 |
| 197808 | J7TKN-A-E9 | Overload relay, 3-pole, 0.6-0.9 A, direct mounting on J7KNA or J7KN10-22, manual reset | 21.51 | 4547648205580 |
| 148116 | J7TKN-B-11 | Overload relay, 3-pole, 8-11 A, direct mounting on J7KN10-40, hand and auto reset | 26.71 | 4536854854606 |
| 118708 | J7TKN-B-14 | Overload relay, 3-pole, 10-14 A, direct mounting on J7KN10-40, hand and auto reset | 26.71 | 4536854854613 |
| 118709 | J7TKN-B-18 | Overload relay, 3-pole, 13-18 A, direct mounting on J7KN10-40, hand and auto reset | 26.71 | 4536854854620 |
| 154763 | J7TKN-B-1E2 | Overload relay, 3-pole, 0.8-1.2 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854545 |
| 118710 | J7TKN-B-24 | Overload relay, 3-pole, 17-24 A, direct mounting on J7KN10-40, hand and auto reset | 26.71 | 4536854854637 |
| 148115 | J7TKN-B-2E7 | Overload relay, 3-pole, 1.8-2.7 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854569 |
| 118707 | J7TKN-B-4 | Overload relay, 3-pole, 2.7-4 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854576 |
| 149068 | J7TKN-B-6 | Overload relay, 3-pole, 4-6 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854583 |
| 142631 | J7TKN-B-9 | Overload relay, 3-pole, 6-9 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854590 |
| 154762 | J7TKN-B-E6 | Overload relay, 3-pole, 0.4-0.6 A, direct mounting on J7KN10-40, hand and auto reset | 22.65 | 4536854854521 |

J7MN is a range of motor-protection circuit breakers from 0.10-100A



The J7MN motor starters protect motors against thermal overload and short circuit. The Motor protection circuit breakers can be equipped with additional auxiliary contacts, front or side mounted. Other options are circuit trip alarm units, undervoltage and shunt release units. To make wiring easy we provide as well busbar system.

- Available rated operational currents to 32 A, 63 A and 100 A
- Switching capacity is mainly 50 kA/400 V or 100 KA/400 V
- All Motor Protection Circuit breaker can be mounted on a DIN-rail
- For the range to 32A we provide electro-mechanical links modules
- All components are finger proof

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 234279 | J7MN-3P-1 | Motor-protective circuit breaker, switch type, 3-pole, 0.63-1 A | 27.35 | 4547648326957 |
| 234285 | J7MN-3P-10 | Motor-protective circuit breaker, switch type, 3-pole, 6-10 A | 33.06 | 4547648327015 |
| 234286 | J7MN-3P-13 | Motor-protective circuit breaker, switch type, 3-pole, 9-13 A | 33.06 | 4547648327022 |
| 234287 | J7MN-3P-17 | Motor-protective circuit breaker, switch type, 3-pole, 11-17 A | 33.06 | 4547648327039 |
| 234280 | J7MN-3P-1E6 | Motor-protective circuit breaker, switch type, 3-pole, 1-1.6 A | 30.51 | 4547648326964 |
| 234288 | J7MN-3P-22 | Motor-protective circuit breaker, switch type, 3-pole, 14-22 A | 33.06 | 4547648327046 |
| 234289 | J7MN-3P-26 | Motor-protective circuit breaker, switch type, 3-pole, 18-26 A | 33.06 | 4547648327053 |
| 234281 | J7MN-3P-2E5 | Motor-protective circuit breaker, switch type, 3-pole, 1.6-2.5 A | 30.51 | 4547648326971 |
| 234290 | J7MN-3P-32 | Motor-protective circuit breaker, switch type, 3-pole, 22-32 A | 36.25 | 4547648327060 |
| 234282 | J7MN-3P-4 | Motor-protective circuit breaker, switch type, 3-pole, 2.5-4 A | 30.51 | 4547648326988 |
| 234283 | J7MN-3P-6 | Motor-protective circuit breaker, switch type, 3-pole, 4-6 A | 30.51 | 4547648326995 |
| 234284 | J7MN-3P-8 | Motor-protective circuit breaker, switch type, 3-pole, 5-8 A | 30.51 | 4547648327008 |
| 234276 | J7MN-3P-E25 | Motor-protective circuit breaker, switch type, 3-pole, 0.16-0.25 A | 27.35 | 4547648326926 |
| 234277 | J7MN-3P-E4 | Motor-protective circuit breaker, switch type, 3-pole, 0.25-0.4 A | 27.35 | 4547648326933 |
| 234278 | J7MN-3P-E63 | Motor-protective circuit breaker, switch type, 3-pole, 0.4 A-0.63 A | 27.35 | 4547648326940 |
| 234295 | J7MN-3R-1 | Motor-protective circuit breaker, rotary type, 3-pole, 0.63-1 A | 34.41 | 4547648327114 |
| 234301 | J7MN-3R-10 | Motor-protective circuit breaker, rotary type, 3-pole, 6-10 A | 40.33 | 4547648327176 |
| 234302 | J7MN-3R-13 | Motor-protective circuit breaker, rotary type, 3-pole, 9-13 A | 63.45 | 4547648327183 |
| 234303 | J7MN-3R-17 | Motor-protective circuit breaker, rotary type, 3-pole, 11-17 A | 40.98 | 4547648327190 |
| 234296 | J7MN-3R-1E6 | Motor-protective circuit breaker, rotary type, 3-pole, 1-1.6 A | 44.11 | 4547648327121 |
| 234304 | J7MN-3R-22 | Motor-protective circuit breaker, rotary type, 3-pole, 14-22 A | 42.07 | 4547648327206 |
| 234305 | J7MN-3R-26 | Motor-protective circuit breaker, rotary type, 3-pole, 18-26 A | 95.00 | 4547648327213 |
| 234297 | J7MN-3R-2E5 | Motor-protective circuit breaker, rotary type, 3-pole, 1.6-2.5 A | 34.79 | 4547648327138 |
| 234306 | J7MN-3R-32 | Motor-protective circuit breaker, rotary type, 3-pole, 22-32 A | 52.35 | 4547648327220 |
| 234298 | J7MN-3R-4 | Motor-protective circuit breaker, rotary type, 3-pole, 2.5-4 A | 39.44 | 4547648327145 |
| 234299 | J7MN-3R-6 | Motor-protective circuit breaker, rotary type, 3-pole, 4-6 A | 36.66 | 4547648327152 |
| 234300 | J7MN-3R-8 | Motor-protective circuit breaker, rotary type, 3-pole, 5-8 A | 36.66 | 4547648327169 |
| 234294 | J7MN-3R-E63 | Motor-protective circuit breaker, rotary type, 3-pole, 0.4-0.63 A | 32.35 | 4547648327107 |
| 234308 | J7MN-6R-32 | Motor-protective circuit breaker, rotary type, 3-pole, 22-32 A | 103.80 | 4547648327244 |
| 234309 | J7MN-6R-40 | Motor-protective circuit breaker, rotary type, 3-pole, 28-40 A | 164.70 | 4547648327251 |
| 234310 | J7MN-6R-50 | Motor-protective circuit breaker, rotary type, 3-pole, 34-50 A | 173.70 | 4547648327268 |
| 234311 | J7MN-6R-63 | Motor-protective circuit breaker, rotary type, 3-pole, 45-63 A | 185.30 | 4547648327275 |
| 234313 | J7MN-9R-75 | Motor-protective circuit breaker, rotary type, 3-pole, 55-75 A | 149.90 | 4547648327299 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 234316 | J77MN-11F | Auxiliary contacts, standard, 1M1B, for top mounting for all J7MN*R/*P | 6.20 | 4547648327329 |
| 234320 | J77MN-11S | Auxiliary contacts, standard, 1M1B, for left hand side mounting for all J7MN*R/*P | 9.80 | 4547648327367 |
| 234318 | J77MN-20F | Auxiliary contacts, standard, 2M, for top mounting for all J7MN*R/*P | 7.41 | 4547648327343 |
| 355552 | J77MN-BTC-63-E | Line side terminal 3-pole, IEC/EN 60949 | 6.19 | 4548583066458 |
| 355558 | J77MN-BTC-63-SE | Line side terminal 3-pole, IEC/EN 60950, spade terminals | 6.07 | 4548583066519 |
| 355560 | J77MN-CPM-3-45-2 | J7MN-3, 3 phase busbar for 2 MPCBs, 45 mm spacing | 5.00 | 4548583066533 |
| 355554 | J77MN-CPM-3-45-2S | J7MN-3, 3 phase busbar for 2 MPCBs, 45 mm spacing, spade connectors | 5.00 | 4548583066472 |
| 355561 | J77MN-CPM-3-45-3 | J7MN-3, 3 phase busbar for 3 MPCBs, 45 mm spacing | 6.40 | 4548583066540 |
| 355555 | J77MN-CPM-3-45-3S | J7MN-3, 3 phase busbar for 3 MPCBs, 45 mm spacing, spade connectors | 6.40 | 4548583066489 |
| 355562 | J77MN-CPM-3-45-4 | J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing | 7.97 | 4548583066557 |
| 355556 | J77MN-CPM-3-45-4S | J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing, spade connectors | 7.97 | 4548583066496 |
| 355563 | J77MN-CPM-3-45-5 | J7MN-3, 3 phase busbar for 4 MPCBs, 45 mm spacing | 8.50 | 4548583066564 |
| 355557 | J77MN-CPM-3-45-5S | J7MN-3, 3 phase busbar for 5 MPCBs, 45 mm spacing, spade connectors | 8.50 | 4548583066502 |
| 265650 | J77MN-DC-3R-315-B | Door-coupling, rotary operating mechanisms, black | 58.35 | 4547648637527 |
| 234811 | J77MN-PF-3R | Plastic enclose with rotary operating mechanism, lockable space for aux. contact + release, IP65 | 15.47 | 4547648394345 |
| 234344 | J77MN-VKA-3 | Link modules MPCB (J7MN3) to J7KNA (DIN-rail adapter not required) | 3.88 | 4547648327619 |
| 234345 | J77MN-VKN-3 | Link modules MPCB (J7MN3) to J7KN (DIN-rail adaptor not required) | 3.90 | 4547648327626 |



Slim-line relays monitor three-phase motor temperature, phase sequence and phase loss.

K8AK-TS relays monitor the temperature of the motor's thermal protection. K8AK-PT monitors temperature, phase sequence and phase loss for 3-phase, 3-wire motors in one unit.

- Specially designed for internal motor monitoring: no setting required
- Test/Reset button for confirmation of output operation
- Reset operation: automatic or manual
- Robust operating temperature: -20 to 60 °C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 387480 | K8AK-PT1 100-240VAC | Monitoring relay 22.5mm wide, temperature monitoring and phase sequence and phase loss, 100 to 240 VAC, one SPDT | 32.41 | 4548583506657 |
| 387478 | K8AK-TS1 100-240VAC | Monitoring relay 22.5mm wide, temperature monitoring, 100 to 240 VAC, one SPDT | 19.84 | 4548583506633 |
| 387479 | K8AK-TS1 24VAC/DC | Monitoring relay 22.5mm wide, temperature monitoring, 24 VAC/VDC, one SPDT | 19.81 | 4548583506640 |

K8DT-TH

Temperature monitor



Temperature monitoring relay

Ideal to prevent heater overheating. Self-latching output to contribute to safe equipment operation.

- Set the temperature with ultra-simple rotary switches
- Digitally set the temperature to between 0 and 999°C in 1°C increments (K8DT-TH1__), or between 0 and 1,800°C in 10°C increments (K8DT-TH2__)
- Connect a thermocouple or platinum resistance thermometer
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 669503 | K8DT-TH1CA | Monitoring relay 17.5mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, 1 x SPDT, 100-240 VAC | 48.57 | 4548583773998 |
| 669467 | K8DT-TH1CD | Monitoring relay 17.5mm wide, over or under temperature, 0-999 °C/F Thermocouple and PT100 input types, 1 x SPDT, 24 V AC/DC | 48.57 | 4548583774032 |

Single-phase current relay



Detect errors in motors and other equipment through current changes. Use in either overcurrent or undercurrent mode.

- Monitor AC or DC currents with one relay.
- Use with commercially available CTs (CT secondary side: 0 to 1 A or 0 to 5 A).
- Settings for the operating value, hysteresis, startup lock time, and operating time.
- Width of 17.5 mm to reduce space required in panels.
- Push-in plus Technology that reduce wiring work.
- UL listed for easy shipping to North America.
- Double-insertion holes for crossover wiring (all terminals).
- Models added with transistor outputs for superior contact reliability.
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 669484 | K8DT-AS1CD | Monitoring relay 17.5mm wide, Single phase over or under current 2 to 500 mA AC /DC, 1 x SPDT, 24 V AC/DC | 37.80 | 4548583773516 |
| 669480 | K8DT-AS2CA | Monitoring relay 17.5mm wide, Single phase over or under current 0.1 to 5 A AC /DC, 1 x SPDT, 100-240 VAC | 39.14 | 4548583773462 |
| 669498 | K8DT-AS2CD | Monitoring relay 17.5mm wide, Single phase over or under current 0.1 to 5 A AC /DC, 1 x SPDT, 24 V AC/DC | 39.14 | 4548583773523 |

Single-phase current relay



These single-phase current relays monitor over- and underrun currents. Manual resetting and automatic resetting are supported by one relay. The start-up lock and operating time can be set separately. The relay warning status is easily monitored with the LED indicator.

- Single-phase current relay in 22.5 mm wide industrial housing
- Under or over control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 378158 | K8AK-AS1 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under current 2 to 500mA AC or DC, One SPDT, 100-240 VAC | 31.96 | 4548583402225 |
| 378159 | K8AK-AS1 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under current 2 to 500mA AC or DC, One SPDT, 24VAC/DC | 33.34 | 4548583402232 |
| 378160 | K8AK-AS2 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, One SPDT, 100-240 VAC | 34.74 | 4548583402249 |
| 378161 | K8AK-AS2 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, One SPDT, 24VAC/DC | 36.11 | 4548583402256 |
| 378162 | K8AK-AS3 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under current 10 to 200A AC (External CT required), One SPDT, 100-240 VAC | 38.33 | 4548583402263 |
| 378163 | K8AK-AS3 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under current 10 to 200A AC (External CT required), One SPDT, 24VAC/DC | 38.33 | 4548583402270 |



Single-phase current relay, window type

These single-phase current relays monitor over- and undercurrents. Manual resetting and automatic resetting are supported by one relay. The start-up lock and operating time can be set separately. The relay warning status is easily monitored with the LED indicator.

- Single-phase current window relay
- In 22.5 mm wide industrial housing
- Under and over control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 378166 | K8AK-AW2 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under current 0.1 to 8A AC or DC, Two SPDT, 100-240 VAC | 29.18 | 4548583402300 |



Single-phase overvoltage/undervoltage relay

Detect abnormal voltages applies to equipment to protect against equipment failure. Monitor for overvoltages and undervoltages simultaneously with one relay.

- Monitor AC or DC voltages with one relay
- Settings for the operating value, hysteresis, and operating time
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 669499 | K8DT-VW2TD | Monitoring relay 17.5mm wide, Single phase over and under voltage 1 to 150 V AC /DC, 1 x Transistor, 24 V AC/DC | 39.14 | 4548583773837 |

Single-phase voltage relay



These single-phase voltage relays are for monitoring over- and undervoltages. Manual resetting and automatic resetting are supported by one relay. Relay warning status can easily be monitored using the LED indicator.

- Single-phase voltage relay in 22.5 mm wide industrial housing
- Under or over control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 378170 | K8AK-VS2 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, One SPDT, 100-240 VAC | 27.76 | 4548583402348 |
| 378171 | K8AK-VS2 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, One SPDT, 24VAC/DC | 27.76 | 4548583402355 |
| 378172 | K8AK-VS3 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, One SPDT, 100-240 VAC | 29.18 | 4548583402362 |
| 378173 | K8AK-VS3 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, One SPDT, 24VAC/DC | 29.18 | 4548583402379 |

Single-phase voltage relay, window type



For monitoring over- and undervoltages simultaneously. Manual resetting and automatic resetting are supported by one relay. Separate settings and outputs are supported for over- and undervoltages. Relay warning status can easily be monitored with the LED indicator.

- Single-phase voltage window relay
- In 22.5 mm wide industrial housing
- Under and over, low/low or high/high control
- Supply voltages: 24 VAC/DC, 100 to 240 VAC
- Easy wiring with ferrules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 378174 | K8AK-VW2 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, Two SPDT, 100-240 VAC | 27.87 | 4548583402386 |
| 378175 | K8AK-VW2 24VAC/DC | Monitoring relay 22.5mm wide, Single phase over or under voltage 1 to 150V AC or DC, Two SPDT, 24VAC/DC | 27.76 | 4548583402393 |
| 378176 | K8AK-VW3 100-240VAC | Monitoring relay 22.5mm wide, Single phase over or under voltage 20 to 600V AC or DC, Two SPDT, 100-240 VAC | 29.18 | 4548583402409 |



Phase-sequence phase-loss relay

Protect motors and other equipment from unstable voltages in the power supply system. Protect motors and other equipment by detecting phase sequence and phase loss for three-phase power supplies.

- Global application with power supply range of 200 to 480 V with one relay
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 669476 | K8DT-PH1CN | Monitoring relay 17.5mm wide, phase sequence and loss in 3 phase 3 wire, 200-480 VAC, 1 x SPDT | 26.99 | 4548583773851 |



3-phase sequence, phase-loss relay

The K8AK-PH1 monitoring relay is designed to monitor 3-phase 3-wire supplies. It simultaneously monitors phase sequence and phase loss during start up as well as phase loss during operation. The output relay releases when alarm conditions are detected, and the warning status can easily be monitored using the LED indicator. Suitable for industrial facilities and equipment.

- Monitors phase sequence and phase-loss simultaneously
- Measuring range: 200 to 480 VAC
- Power supply voltage is the same as measuring voltage
- Operation reaction time: 0.1 s maximum

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 378178 | K8AK-PH1 | Monitoring relay 22.5mm wide, simultaneous monitoring of phase sequence and loss in 3phase 3wire systems, One DPDT | 21.39 | 4548583402423 |

3-phase sequence, phase loss relay



The K8DS-PH1 is a monitoring relay designed at only 17.5 mm wide with simplified functions for 3-phase 3 wire supplies. It simultaneously monitors phase sequence and phase loss during start up as well as phase loss during operation. The output relay releases when alarm conditions are detected, and the warning status can easily be monitored using the LED indicator.

- Monitors phase sequence and phase-loss simultaneously
- Measuring range: 200 to 480 VAC
Power supply voltage is the same as measuring voltage
Operation reaction time: 0.1 s maximum

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 378191 | K8DS-PH1 | Monitoring relay 17.5mm wide, simultaneous monitoring of phase sequence and loss in 3phase 3wire systems, One SPDT | 19.43 | 4548583402553 |

Three-phase voltage and phase-sequence phase-loss relay



Protect motors and other equipment from unstable voltages in the power supply system. Protect motors and other equipment by detecting overvoltages, undervoltages, phase sequence, and phase loss for three-phase power supplies.

- Phase loss detection while the motor is operating
- Widely applies 3-phase 3-wire system (Changed with a DIP switch)
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 669523 | K8DT-PM1CN | Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 200 to 240 VAC, 1 x SPDT | 35.09 | 4548583773875 |
| 669510 | K8DT-PM2CN | Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, 1 x SPDT | 35.09 | 4548583773882 |



3-phase voltage, phase sequence, phase loss relay

K8AK-PM monitors overvoltages, undervoltages, phase sequence and phase loss for 3-phase, 3-wire or 4-wire power supplies, in one unit. This relay features a switch setting for 3-phase, 3-wire or 3-phase, 4-wire power supply.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: Operation reaction time 0.1 s maximum
- Overvoltages or undervoltages: Operation time setting from 0.1 to 30 s
- Relay warning status can easily be monitored using the LED indicator
- Easy wiring with ferrules

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 378181 | K8AK-PM1 | Monitoring relay 22.5mm wide, sim. monitoring of over-/under-voltage, phase sequ. & loss in 3phase 3wire & 4 wire sys. operating 115 to 240V AC | 30.01 | 4548583402454 |
| 378182 | K8AK-PM2 | Monitoring relay 22.5mm wide, sim. monitoring of over-/under-voltage, phase sequ. & loss in 3phase 3wire & 4 wire sys. operating 220 to 480V AC, 2 SPDT | 34.59 | 4548583402461 |



3-phase voltage, phase sequence, phase loss

K8DS-PM monitors overvoltages, undervoltages, phase sequence and phase loss for 3-phase, in one unit.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: Operation reaction time 0.1s maximum
- Overvoltage or undervoltage: Operation time setting from 0.1 to 30s
- Relay warning status can easily be monitored using the LED indicator
- Robust operating temperature: -20 to 60 °C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 387484 | K8DS-PM2 | Monitoring relay 17.5mm wide, over/under voltage, phase sequence and loss, 3-phase 3-wire, 380 to 400 VAC, one SPDT | 26.44 | 4548583481565 |



3-phase asymmetry, phase-sequence, phase-loss relay

Monitors voltage asymmetry, phase sequence and phase loss for 3-phase 3-wire or 4-wire power supplies, in one unit.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: operation reaction time 0.1s maximum
- Asymmetry: operation time setting from 0.1 to 30s
- Reset method: automatic
- Power ON lock: 1s or 5s

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 378180 | K8AK-PA2 | Monitoring relay 22.5mm wide, voltage asymmetry and phase sequence and phase loss in 3 and 4 wire systems, 220 to 480V AC, One SPDT | 26.42 | 4548583402447 |



3-phase voltage asymmetry, phase sequence, phase loss

K8DS-PA monitors voltage asymmetry, phase sequence and phase loss for 3-phase, 3-wire power supplies.

- Worldwide power specifications supported by one unit
- Phase sequence, phase loss: Operation reaction time 0.1s maximum
- Asymmetry: operation time setting from 0.1 to 30s
- Reset method: automatic
- LED indicators: Power (Green), Relay output (Yellow), Alarm output (Red)
- Robust operating temperature: -20 to 60 °C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 387486 | K8DS-PA2 | Monitoring relay 17.5mm wide, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, one SPDT | 21.89 | 4548583481589 |



Three-phase voltage, asymmetry, and phase-sequence phase-loss relay

Protect motors and other equipment from unstable voltages in the power supply system. Detect overvoltages, undervoltages, voltage asymmetry, phase sequence, and phase loss for three-phase power supplies.

- Phase loss detection while the motor is operating
- Widely applies 3-phase 3-wire system (Changed with a DIP switch)
- Greater resistance to inverter noise
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models added with transistor outputs for superior contact reliability
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 669497 | K8DT-PZ2CN | Monitoring relay 17.5mm wide, over/under voltage, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, 1 x SPDT | 37.80 | 4548583773929 |



Slim-line three-phase voltage, asymmetry and phase-sequence phase-loss protection

K8DS-PZ monitors undervoltages, overvoltages, voltage asymmetry, phase sequence and phase loss for 3-phases, 3-wire monitoring in one unit.

- Worldwide power specifications supported by one unitFront rotary switches allow for easy and accurate configurationReset method: automaticLED indicators: Power (Green), Relay output (Yellow), Alarm output (Red)Robust operating temperature: -20 to 60 °C

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 387488 | K8DS-PZ2 | Monitoring relay 17.5mm wide, over/under voltage, asymmetry, phase sequence and loss, 3-phase 3-wire, 380 to 480 VAC, one SPDT | 36.30 | 4548583508286 |

3-phase undervoltage and phase-sequence phase-loss relay



The K8DS-PU is the simplified 3-phase monitoring relay, 3-wire circuits within one unit. It can monitor undervoltages, phase sequence and phase loss.

- Greater resistance to inverter noiseOne SPDT output relay, 5 A at 250 VAC (resistive load)World-wide power specifications supported by one unit (Set with a rotary switch)
- Relay status can be monitored using LED indicator

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 387482 | K8DS-PU2 | Monitoring relay 17.5mm wide, under voltage, phase sequence and loss, asymmetry 3-phase 3-wire, 380 to 480 VAC, one SPDT | 26.44 | 4548583481541 |

3-phase voltage relay



Monitors overvoltages and undervoltages for 3-phase 3-wire or 4-wire power supplies, in one unit. Switch setting for 3-phase 3-wire or 3-phase 4-wire power supply.

- Overvoltages or undervoltages: Operation time setting from 0.1 to 30 s
- Relay warning status can easily be monitored using the LED indicator
- Separate outputs possible for overvoltages and undervoltages
- Reset method: Automatic
- Power ON lock: 1 s or 5 s

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 378184 | K8AK-PW2 | Monitoring relay 22.5 mm wide, 3-phase voltage monitoring, over and under voltages, 3-wire mode: 380, 400, 415 and 480 VAC, 4-wire mode: 220, 230, 240 and 277 VAC, two SPDT | 34.22 | 4548583402485 |

Compact plug-in (8-pin) level controller



The 61F-GP-N8 can be used for single- or two-point level control of conductive materials, both liquids and solids. These products are equipped with a red LED operation indicator.

- Low-voltage (AC) electrodes (8VAC or 24VAC)
- Operation range: 4-15kΩ, 70-300kΩ
- Detection method: conductive
- Probes need to be ordered separately
- Conforms to EMC and LVD directives, UL/CSA approved

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 159892 | 61F-GP-N 110VAC | Floatless level controller | 79.90 | 4536854333163 |
| 159981 | 61F-GP-N 230VAC | Floatless level controller | 69.65 | 4536854336119 |
| 159975 | 61F-GP-N 240VAC | Floatless level controller, 240 VAC | 88.45 | 4536854335891 |
| 159968 | 61F-GP-N2 110VAC | Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 110 VAC | 76.55 | 4536854335792 |
| 159970 | 61F-GP-N2 220VAC | Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 220 VAC | 78.90 | 4536854335815 |
| 159971 | 61F-GP-N2 230VAC | Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket) | 78.90 | 4536854335822 |
| 159972 | 61F-GP-N2 24VAC | Level sensor, conductive, miniature, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 24 VAC | 75.25 | 4536854335846 |
| 159911 | 61F-GP-N8 110VAC | Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 110 VAC, 8-pin | 76.25 | 4536854333828 |
| 159913 | 61F-GP-N8 230VAC | Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 230 VAC, 8-pin | 74.25 | 4536854333866 |
| 159915 | 61F-GP-N8 24VAC | Level sensor, conductive, compact, plug-in, general-purpose, relay, LED indicator (requires PF083A-E socket), 24 VAC, 8-pin | 75.60 | 4536854333880 |
| 105293 | 61F-GP-N8H 230VAC | Level sensor, conductive, compact, plug-in, high-sensitivity, relay, LED indicator (requires PF083A-E socket), 230 VAC | 89.15 | 4536854334023 |
| 157405 | 61F-GP-N8H 24VAC | Level sensor, conductive, compact, plug-in, high-sensitivity, relay, LED indicator (requires PF083A-E socket), 24 VAC | 85.15 | 4536854334047 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 137182 | BF-1 | Electrode holder, 1-pole electrode, standard type (150°C), liquid with low specific resistance | 24.84 | 4536853143343 |
| 137183 | BF-3 | Electrode holder, 3 way, standard type (150°C) | 50.90 | 4536853143350 |
| 137186 | BS-1 | Electrode holder, 1-pol electrode, for high pressure or high temperature applications (250°C), 1.96Mpa | 47.18 | 4536853143695 |
| 155001 | F03-01 SUS201 | Electrode, stainless steel, 1 m length, 6 mm dia., extendable | 8.83 | 4536853384531 |
| 153056 | F03-01 SUS316 | Electrode, stainless steel, 1m length, 6mm dia, extendable | 17.63 | 4536853384548 |
| 127405 | F03-02 SUS201 | Electrode connecting nut | 2.18 | 4536853384586 |
| 127406 | F03-02 SUS316 | Electrode lock nut, 1 piece | 3.67 | 4536853384593 |
| 127409 | F03-03 SUS304 | Electrode lock nut with washer | 0.46 | 4536853384630 |
| 156416 | F03-03 SUS316 | Electrode lock nut, with 2 number of parts in an set | 1.12 | 4536853384647 |
| 144315 | F03-11 | Floatless level controller accessory | 27.41 | 4536853384739 |
| 127415 | F03-12 | PS Electrode Holder Mounting Plate | 14.79 | 4536853384746 |
| 153057 | F03-14-3P | Electrode separator, 3 electrodes, ceramic, 250°C max, 30g | 2.74 | 4536853384777 |
| 151994 | PFC-N8 | Retaining clips for 61F-GP-N8 level controller & PF083A-E socket | 2.12 | 4536853385149 |
| 143136 | PS-31 SUS304 1000MM | Electrode set, holder & electrodes, 1 m length, 4 mm diameter, non-extendable | 33.40 | 4536853724153 |
| 157459 | PS-31 SUS304 300MM | Electrode set, holder & electrodes, 0.3 m length, 4 mm diameter, non-extendable | 30.41 | 4536853724160 |
| 176624 | PS-3S | Electrode holder, 3 way | 26.01 | 4547648047791 |
| 176625 | PS-4S | Electrode holder, 4 way | 30.41 | 4547648047814 |
| 176626 | PS-5S | Electrode holder, 5 way | 34.04 | 4547648047838 |

Compact plug-in (11-pin) level controller (DC supply)



This controller is for single- or two-point level control. 24VDC supply allows for usage in locations without AC power supply. Relay contact chattering usually caused by waves has been eliminated by using open collector output, reducing contact wear.

- Adjustable sensitivity: operation range: 0-100kΩ
- Red LED for operation indicator
- Conforms to EMC and LVD directives
- UL/CSA approved
- Probes need to be ordered separately

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 143687 | 61F-GPN-BC 24VDC | Level sensor, DC Power supply, conductive, variable sensitivity, plug-in, general-purpose, relay output, LED indicator (requires PF113A-E socket), 24VDC | 152.60 | 4536854845468 |
| 159956 | 61F-GPN-BT 24VDC | Level sensor, DC Power supply, conductive, variable sensitivity, plug-in, general-purpose, transistor output, LED indicator (requires PF113A-E socket), 24VDC | 147.70 | 4536854728013 |

17.5 mm wide conductive level controller



Ideal for water level control. Sensitivity adjustment and timer for easy usage.

- Sensitivity adjustment from 10k to 100 kΩ
- Enables easy onsite adjustment
- ON-delay timer from 0.1 to 10 s
- Ideal as countermeasure for waves on liquid surfaces
- Width of 17.5 mm to reduce space required in panels
- Push-in plus Technology that reduce wiring work
- UL listed for easy shipping to North America
- Double-insertion holes for crossover wiring (all terminals)
- Models with transistor outputs added for low contact wear
- RoHS compliant

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 669486 | K8DT-LS1CA | Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x SPDT, 100-240 VAC | 35.09 | 4548583773950 |
| 669464 | K8DT-LS1CD | Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x SPDT, 24 V AC/DC | 35.09 | 4548583773974 |
| 669450 | K8DT-LS1TD | Monitoring relay 17.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, 1 x Transistor, 24 V AC/DC | 35.09 | 4548583773981 |



22.5 mm wide conductive level controller

The K8AK-LS1 is a conductive level controller in a 22.5 mm wide industrial housing. Via DIP switches its function (supply or drainage) can be selected. This product is for single- or two-point level control.

- Time delay function up to 10 s
- Supply voltages: 24 VAC/DC and 100 to 240 VAC
- Control output: Relay 5 A at 250 VAC resistive load
- Probes cable length: Max. 100 m from controller
- LED indicator: Green for power ON, yellow for output relay

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 378185 | K8AK-LS1 100-240VAC | Monitoring relay 22.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, One SPDT, 100-240 VAC | 22.32 | 4548583402492 |
| 378186 | K8AK-LS1 24VAC/DC | Monitoring relay 22.5 mm wide, Conductive level control for liquid, 10k to 100k Ohm, One SPDT, 24VAC/DC | 22.76 | 4548583402508 |



Ultra-miniature liquid leakage sensor amplifier

The Plug-in socket with Push-in plus technology, P2RF-08-PU is available for easy wiring. K7L detects a wide variety of liquids, ranging from water to liquid chemicals with low conductivity.

- Operation range: Up to 50 MΩ
- Four sensing ranges available
- Detection method: Conductive
- Two LEDs: Green for power supplied, red for output indication
- Conforms to EMC and LVD Directives, UL/CSA approved

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 117007 | K7L-AT50 | Liquid leakage sensor, conductive, minature plug-in, adjustable sensitivity settings - 250 Kohm up to 50 Mohm (requires P2RF-08-E socket) | 233.90 | 4536854465079 |
| 669530 | K7L-AT50B | Liquid leakage sensor, conductive, minature plug-in, adjustable sensitivity settings - 250 Kohm up to 50M ohm, Black color | 260.10 | 4548583792883 |
| 669533 | K7L-UB | Liquid leakage sensor, conductive, minature plug-in, adjustable sensitivity settings - 1M ohm, Long distance wiring, Black color | 271.20 | 4548583792890 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 149720 | F03-16PE-2M | Electrode band, stainless steel with polyethylene cover | 55.10 | 4536854513442 |
| 127430 | F03-16PE-5M | Sensing band sticker, polyethylene, greater durability and condensation resistance. | 135.90 | 4536854513459 |
| 175703 | F03-16PS | Floatless level controller accessory, liquid leakage point sensor, polyethylene, outer sheath:PVC, inner sheath:Fluoroplastic, SUS304 electrode material | 82.20 | 4547648088015 |
| 175704 | F03-16PS-F | Point Sensor, electrodes have fluoroplastic coating to resist chemicals. | 110.70 | 4547648088022 |
| 165136 | F03-26PES | Mounting bracket and sticker, sensing band sticker, Used for F03-16PE (adhesive tape). | 39.94 | 4536854718342 |
| 127425 | F03-31 | Floatless level controller accessory | 11.99 | 4536853384876 |

Additional monitoring products

Additional monitoring products

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 184037 | K8AC-CT200L | Current transformer for K8AB-AS3, high current monitoring capacity | 58.50 | 4547648140492 |

22-mm Pushbutton switches with universal design



Round pushbutton switches available with a choice of plastic, brushed metal and metal bezels for both lighted and non-lighted options. Emphasis has been placed on color coding, workability and design.

- Variety of bezel and color options with aesthetic design.
- Mounting depth less than 46.8 mm below panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-in Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 660674 | A22NL-BGM-TGA-G102-GC | Pushbutton A22NL 22 dia., bezel plastic, full guard, momentary, cap color transparent green, LED green, 1NO1NC, 24 VDC | 10.21 | 4548583635722 |
| 664829 | A22NZ-2BM-01BA | Selector A22NZ 22 dia., Key type S, 2 position, bezel plastic, manual, release position left | 15.20 | 4548583717602 |
| 660926 | A22NZ-2BM-NBA | Selector A22NZ 22 dia., 2 position, NON-Lighted, bezel plastic, manual, color black | 4.68 | 4548583715486 |
| 664707 | A22NZ-2BM-TYA | Selector A22NZ 22 dia., 2 position, Lighted, bezel plastic, manual, color yellow | 3.35 | 4548583715516 |
| 664883 | A22NZ-2MM-01BA | Selector A22NZ 22 dia., Key type S, 2 position, bezel brushed M, manual, release position left | 13.04 | 4548583717640 |
| 660010 | A22NZ-2MM-NBA | Selector A22NZ Ø22, 2 position, NON-Lighted, bezel brushed metal, MANUAL, COLOR BLACK | 3.58 | 4548583715721 |
| 666621 | A22NZ-2MM-TGA | Selector A22NZ Ø22, 2 position, Lighted, bezel brushed M, MANUAL, COLOR GREEN | 3.58 | 4548583715745 |
| 666627 | A22NZ-3BB-NBA | Selector A22NZ 22 dia., 3 position, NON-Lighted, bezel plastic, auto reset on L/R, color black | 4.87 | 4548583716568 |
| 660930 | A22NZ-3BM-NBA | Selector A22NZ 22 dia., 3 position, NON-Lighted, bezel plastic, manual, color black | 4.87 | 4548583716209 |
| 659819 | A22NZ-A-301 | Pushbutton accessory A22NZ, Tightening Wrench | 15.95 | 4548583718395 |
| 661690 | A22NZ-A-302 | Pushbutton accessory A22NZ, LED Lamp Extractor | 3.12 | 4548583718401 |
| 664306 | A22NZ-A-303 | Pushbutton accessory A22NZ, Protective Cover | 3.12 | 4548583718418 |
| 663413 | A22NZ-A-50103 | Pushbutton accessory A22NZ 22 dia., Small Legend Plate Frame | 3.12 | 4548583718463 |
| 665523 | A22NZ-A-50501 | Pushbutton accessory A22NZ Ø22, Lock Ring | 3.12 | 4548583718487 |
| 666229 | A22NZ-A-51103 | Pushbutton accessory A22NZ 22 dia., Large Legend Plate Frame | 3.12 | 4548583718470 |
| 660760 | A22NZ-A-B01Y | Pushbutton accessory A22NZ 22 dia., Control Box | 8.51 | 4548583718456 |
| 666228 | A22NZ-A-C01 | Pushbutton accessory A22NZ, Reinforcement Plate | 3.24 | 4548583718500 |
| 666194 | A22NZ-BGM-NAA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque blue | 3.36 | 4548583711877 |
| 666481 | A22NZ-BGM-NGA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque green | 3.36 | 4548583711846 |
| 664461 | A22NZ-BGM-NRA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color opaque red | 3.36 | 4548583711839 |
| 664548 | A22NZ-BGM-NWA | Pushbutton A22NZ Ø22, bezel plastic, FULL GUARD, MOMENTARY, CAP COLOR Opaque WHITE | 3.36 | 4548583711860 |
| 667104 | A22NZ-BGM-TAA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent blue, lighted | 3.36 | 4548583711938 |
| 662398 | A22NZ-BGM-TGA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent green, lighted | 3.36 | 4548583711907 |
| 664971 | A22NZ-BGM-TRA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent red, lighted | 3.36 | 4548583711891 |
| 663373 | A22NZ-BGM-TWA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent white, lighted | 3.41 | 4548583711921 |
| 663382 | A22NZ-BGM-TYA | Pushbutton A22NZ 22 dia., bezel plastic, full guard, momentary, cap color transparent yellow, lighted | 3.41 | 4548583711914 |
| 662397 | A22NZ-BMM-NBA | Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque black | 3.74 | 4548583712065 |
| 665233 | A22NZ-BMM-NGA | Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque green | 3.36 | 4548583712027 |
| 667103 | A22NZ-BMM-NRA | Pushbutton A22NZ 22 dia., bezel plastic, mushroom, momentary, cap color opaque red | 3.36 | 4548583712010 |
| 662116 | A22NZ-BNM-NAA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque blue | 3.74 | 4548583711518 |
| 661703 | A22NZ-BNM-NBA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque black | 3.74 | 4548583711525 |
| 660475 | A22NZ-BNM-NGA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque green | 3.74 | 4548583711488 |
| 664957 | A22NZ-BNM-NRA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque red | 3.89 | 4548583711471 |
| 662117 | A22NZ-BNM-NWA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque white | 3.89 | 4548583711501 |
| 661170 | A22NZ-BNM-NYA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color opaque yellow | 3.75 | 4548583711495 |
| 661165 | A22NZ-BNM-TAA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color transparent blue, lighted | 2.36 | 4548583711570 |
| 662121 | A22NZ-BNM-TGA | Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent GREEN, LIGHTED | 2.36 | 4548583711549 |
| 660238 | A22NZ-BNM-TRA | Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent RED, LIGHTED | 2.36 | 4548583711532 |
| 663647 | A22NZ-BNM-TWA | Pushbutton A22NZ 22 dia., bezel plastic, flat, momentary, cap color transparent white, lighted | 2.36 | 4548583711563 |
| 663117 | A22NZ-BNM-TYA | Pushbutton A22NZ Ø22, bezel plastic, FLAT, MOMENTARY, CAP COLOR Transparent YELLOW, LIGHTED | 2.36 | 4548583711556 |
| 665541 | A22NZ-BPM-TGA | Pushbutton A22NZ 22 dia., bezel plastic, projected, momentary, cap color transparent green, lighted | 3.36 | 4548583711723 |
| 662415 | A22NZ-H-01 | Pushbutton accessory A22NZ, Mounting Collar | 2.67 | 4548583718081 |
| 661431 | A22NZ-K-01 | Pushbutton accessory A22NZ, Key | 9.60 | 4548583718494 |
| 662694 | A22NZ-L-AC | Pushbutton accessory A22NZ, blue LED Lamp 24 VAC/DC | 3.34 | 4548583718241 |
| 666218 | A22NZ-L-GB | Pushbutton accessory A22NZ, Green LED Lamp 12 VAC/DC | 4.14 | 4548583718166 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------|--|-----------|---------------|
| 663627 | A22NZ-L-GC | Pushbutton accessory A22NZ, green LED Lamp 24 VAC/DC | 3.34 | 4548583718227 |
| 666451 | A22NZ-L-GE | Pushbutton accessory A22NZ, green LED Lamp 200/220/230 VAC | 3.77 | 4548583718340 |
| 663615 | A22NZ-L-RC | Pushbutton accessory A22NZ, Red LED Lamp 24 VAC/DC | 3.34 | 4548583718210 |
| 666442 | A22NZ-L-RE | Pushbutton accessory A22NZ, red LED Lamp 200/220/230 VAC | 3.49 | 4548583718333 |
| 664307 | A22NZ-L-WC | Pushbutton accessory A22NZ, White LED Lamp 24 VAC/DC | 3.64 | 4548583718258 |
| 662716 | A22NZ-L-YC | Pushbutton accessory A22NZ, Yellow LED Lamp 24 VAC/DC | 3.34 | 4548583718234 |
| 665251 | A22NZ-L-YE | Pushbutton accessory A22NZ, Yellow LED Lamp 200/220/230 VAC | 3.49 | 4548583718357 |
| 661179 | A22NZ-MNM-NBA | Pushbutton A22NZ 22 dia., bezel brushed metal, flat, momentary, cap color opaque black | 3.85 | 4548583712249 |
| 665935 | A22NZ-MNM-TGA | Pushbutton A22NZ 22 dia., bezel brushed metal, flat, momentary, cap color transparent green, lighted | 3.85 | 4548583712263 |
| 664982 | A22NZ-MNM-TRA | Pushbutton A22NZ Ø22, bezel brushed metal, FLAT, MOMENTARY, CAP COLOR Transparent RED, LIGHTED | 3.85 | 4548583712256 |
| 667274 | A22NZ-S-G1A | Pushbutton A22NZ, Contact Block SPST-NO (blue) | 2.65 | 4548583718012 |
| 661432 | A22NZ-S-G1B | Pushbutton A22NZ, Contact Block SPST-NC (orange) | 2.65 | 4548583718029 |
| 662692 | A22NZ-T-B | Pushbutton accessory A22NZ, Lighting Unit 12 VAC/VDC | 3.05 | 4548583718043 |
| 665524 | A22NZ-T-C | Pushbutton accessory A22NZ, Lighting Unit 24 VAC/VDC | 2.56 | 4548583718050 |
| 662693 | A22NZ-T-E | Pushbutton accessory A22NZ, Lighting Unit 200/220/230 VAC | 3.05 | 4548583718074 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 672599 | A22NZ-S-P1A | A22N Contact blocks, SPST-NO, push-in terminal | 5.07 | 4548583920903 |
| 672624 | A22NZ-S-P1B | A22N Contact blocks, SPST-NC, push-in terminal | 5.07 | 4548583920910 |
| 672593 | A22NZ-S-P2A | A22N Contact blocks, DPST-NO, push-in terminal | 9.85 | 4548583920927 |
| 672587 | A22NZ-S-P2B | A22N contact blocks, DPST-NC, push-in terminal | 9.75 | 4548583920934 |
| 672619 | A22NZ-S-P2C | A22N Contact blocks, SPST-NO + SPST-NC, push-in terminal | 9.82 | 4548583920941 |
| 679754 | A22NZ-T-APN | Lighting unit .Push-In, 6 VAC/DC | 6.91 | 4549734144841 |
| 672613 | A22NZ-T-CP | A22N Lighting Units, 24 VAC/DC, push-in terminal | 4.90 | 4548583920972 |
| 679757 | A22NZ-T-CPN | Lighting unit .Push-In, 24 VAC/DC | 6.91 | 4549734144865 |
| 679755 | A22NZ-T-DPN | Lighting unit .Push-In,100, 110, 120 VAC | 8.21 | 4549734144872 |
| 672620 | A22NZ-T-EP | A22N Lighting Units, 200/220/230/240 VAC, push-in terminal | 8.87 | 4548583920996 |

16mm pushbutton switch



These subassembled pushbutton switches have a modular construction: pushbutton + case + lamp (if applicable) + switch. A16 is a nut-mounted pushbutton switch with a short mounting depth of less than 28.5mm below panel.

- Wide variety of control and signal devices: lighted, non-lighted and buzzer
- Quick and easy assembly, snap-in switch
- Wide range of switching capacity from standard load to micro load
- High reliability, IP65
- UL, cUL and CSA approved, conforms to EN60947-5-1 and IEC947-5-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 160076 | A16-1 | Switch unit, SPDT, 5 A (125 VAC)/ 3 A (230 VAC), solder terminal | 5.62 | 4536853010263 |
| 160077 | A16-2 | Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), solder terminal | 8.83 | 4536853010270 |
| 104631 | A16-24 | Incandescent lamp, 24 VAC/DC | 3.37 | 4536853009625 |
| 160007 | A16-24DG | LED, 24 VDC, green | 6.25 | 4536853009632 |
| 149210 | A16-24DR | LED, 24 VDC, red | 5.75 | 4536853009649 |
| 160020 | A16-24DSG | LED, 24 VDC, green, superbright | 6.08 | 4536854589089 |
| 143445 | A16-24DSR | LED, 24 VDC, red, superbright | 6.08 | 4536854589096 |
| 105995 | A16-24DSW | LED, 24 VDC, white, superbright | 5.22 | 4536854589102 |
| 160021 | A16-24DSY | LED, 24 VDC, yellow, superbright | 6.08 | 4536854589119 |
| 160009 | A16-24DY | LED, 24 VDC, yellow | 6.08 | 4536853009663 |
| 160037 | A16-2S | Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC) | 31.98 | 4536854611704 |
| 144899 | A165-CAM | IP65 case for pushbutton unit, square, momentary or indicator | 4.00 | 4536853009793 |
| 160034 | A165-CJM | IP65 case for pushbutton unit, rectangular, momentary or indicator | 4.43 | 4536853009816 |
| 160036 | A165-CTM | IP65 case for pushbutton unit, round, momentary or indicator | 4.00 | 4536853009830 |
| 103807 | A165L-AW | Pushbutton, illuminated, square, IP65, white | 3.84 | 4536853009946 |
| 160043 | A165L-JB | Pushbutton, illuminated, rectangular, IP65, black | 3.84 | 4536853009885 |
| 144900 | A165L-JG | Pushbutton, illuminated, rectangular, IP65, green | 3.91 | 4536853009977 |
| 160048 | A165L-JGY | Pushbutton, illuminated, rectangular, IP65, green for LED only | 2.98 | 4536853009984 |
| 160049 | A165L-JR | Pushbutton, illuminated, rectangular, IP65, red | 3.91 | 4536853009991 |
| 160050 | A165L-JW | Pushbutton, illuminated, rectangular, IP65, white | 3.91 | 4536853010003 |
| 160051 | A165L-JY | Pushbutton, illuminated, rectangular, IP65, yellow | 3.91 | 4536853010010 |
| 160053 | A165L-TG | Pushbutton, illuminated, round, IP65, green | 3.87 | 4536853010034 |
| 160054 | A165L-TGY | Pushbutton, illuminated, round, IP65, green for LED only | 3.34 | 4536853010041 |
| 160055 | A165L-TR | Pushbutton, illuminated, round, IP65, red | 3.80 | 4536853010058 |
| 148141 | A16-CAA | IP40 case for pushbutton unit, square, latching | 3.94 | 4536853009724 |
| 160028 | A16-CAM | IP40 case for pushbutton unit, square, momentary or indicator | 3.13 | 4536853009731 |
| 160029 | A16-CJA | IP40 case for pushbutton unit, rectangular, latching | 3.94 | 4536853009748 |
| 160030 | A16-CJM | IP40 case for pushbutton unit, rectangular, momentary or indicator | 3.13 | 4536853009755 |
| 160031 | A16-CTA | IP40 case for pushbutton unit, round, latching | 3.94 | 4536853009762 |
| 160032 | A16-CTM | IP40 case for pushbutton unit, round, momentary or indicator | 3.13 | 4536853009779 |
| 160058 | A16L-AA | Pushbutton, illuminated, square, IP40, blue | 3.00 | 4536853010089 |
| 160060 | A16L-AR | Pushbutton, illuminated, square, IP40, red | 3.01 | 4536853010119 |
| 160062 | A16L-JG | Pushbutton, illuminated, rectangular, IP40, green | 2.90 | 4536853010157 |
| 106052 | A16L-JR | Pushbutton, illuminated, rectangular, IP40, red | 2.90 | 4536853010171 |
| 160064 | A16L-JW | Pushbutton, illuminated, rectangular, IP40, white | 2.90 | 4536853010188 |
| 160065 | A16L-TG | Pushbutton, illuminated, round, IP40, green | 3.01 | 4536853010218 |
| 160741 | A16S-2N1 | Switch unit, SPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, solder terminal | 5.59 | 4536854346385 |
| 160743 | A16S-2N2 | Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, solder terminal | 9.62 | 4536854346408 |
| 155154 | A16S-2N2L | Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 2 position selector switch, release in left position, solder terminal | 8.83 | 4536854346415 |
| 160744 | A16S-3N2 | Switch unit, DPDT, 5 A (125 VAC)/ 3 A (230 VAC), for 3 position selector switch, solder terminal | 7.26 | 4536854346446 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--------------------------------------|-----------|---------------|
| 160080 | A16ZJ-5050 | Switch Guard, For rectangular models | 5.56 | 4536854540080 |



22 mm dia. keyed selector switches with flexible bezel options

These reliable keyed switches are offered in a full range of 2 or 3 release positions with either manual or auto reset operations.

- Extra security available with keyed selector switches, only authorized key-holders can change settings.
- 2- and 3-position switches with manual or automatic reset.
- Mounting depth less than 46.8 mm behind panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-in Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|---|-----------|---------------|
| 662921 | A22NK-2RM-01BA-G100 | Selector A22NK Ø22, Key type S, 2 position, bezel metal, MANUAL, RELEASE position LEFT, 1NO | 14.84 | 4548583703803 |



Key-type selector switch with a mounting aperture of 16mm

A165K nut-mounted, key-type selector switches have a modular construction and a short mounting depth of less than 28.5mm below the panel. They come in a wide range of switching capacities, from standard load to micro load.

- Momentary and latching models available
- Automatic and manual models available
- Modular construction, snap-in switch unit
- Oil-resistant IP65 models
- UL and cUL approved, conforms to EN60947-5-1 and IEC947-5-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 160654 | A165K-KEY | Spare key for A165K switches | 5.72 | 4536854480225 |
| 160670 | A165K-T2ML | Selector switch, round, key-type, 2 notches, maintained, IP65, key release left side only | 34.69 | 4536854345081 |



Selector switches with universal design, emphasis on color coding, workability and safety

Complete line of 22 mm selectors. These reliable switches are offered in a wide range of colors and bezel material.

- Knob style selector switches provide users with a reliable way to start or choose between machine operations.
- 2 and 3-position switches with manual or automatic reset.
- Mounting depth less than 46.8 mm behind panel.
- Up to 6 contact blocks (3 contact blocks across and 2 rows deep).
- Symmetrical contact block.
- Push-In Plus terminal block type.
- Snap-in switch unit for quick and easy mounting.
- RoHS compliant.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------------|--|-----------|---------------|
| 661708 | A22NS-2BM-NBA-G100-NN | Selector A22NS Ø22, 2 position, NON-Lighted, bezel PLASTIC, MANUAL, COLOR BLACK, 1NO | 10.85 | 4548583658509 |

Knob-type selector switch with a mounting aperture of 16mm



A165S/W nut-mounted, knob-type selector switches have a modular construction and a short mounting depth of less than 28.5mm below the panel. They come in a wide range of switching capacities, from standard load to micro load.

- Lighted and non-lighted models available
- Automatic and manual models available
- Modular construction, snap-in switch unit
- Oil-resistant IP65 models
- UL and cUL approved, conforms to EN60947-5-1 and IEC947-5-1

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 152141 | A165S-A2M | Selector switch, non-illuminated, lever type, square, 2 notches, maintained, IP65 | 17.22 | 4536854345654 |
| 160700 | A165S-A3M | Selector switch, dia. 16 mm, non-illuminated, lever type, square, 3 notches, maintained, IP65 | 17.22 | 4536854345685 |
| 160702 | A165S-J2M | Selector switch, non-illuminated, lever type, rectangular, 2 notches, maintained, IP65 | 16.81 | 4536854345715 |
| 152142 | A165S-J3M | Selector switch, non-illuminated, lever type, rectangular, 3 notches, maintained, IP65 | 17.22 | 4536854345746 |
| 160707 | A165S-T2M | Selector switch, non-illuminated, lever type, round, 2 notches, maintained, IP65 | 18.42 | 4536854345777 |
| 160760 | A165S-T2M-1 | Selector switch complete, dia. 16 mm, non-illuminated, lever type, round, 2 notches, manual reset, IP65, SPDT contact block, solder terminal | 17.51 | 4536854346613 |
| 160761 | A165S-T2M-2 | Selector switch complete, dia. 16 mm, non-illuminated, lever type, round, 2 notches, manual reset, IP65, DPDT contact block, solder terminal | 20.41 | 4536854346620 |



22 mm IP66 indicator lights show status of machinery and processes on control panels

Complete line of 22 mm pushbuttons, selectors, keyed selectors and indicators. These reliable panel indicators are offered in a wide range of shapes and colors.

- The bright LED light source is easy to see under most lighting conditions.
- Variety of model and color options.
- Easy mounting and removal of socket unit.
- Push-in Plus terminal block type.
- Short mounting depth, less than 49.2 mm behind panel.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 660568 | M22N-BC-TGA-GC | Indicator M22N flat etched, cap color green, LED green, LED voltage 24 VDC | 11.73 | 4548583711198 |
| 672578 | M22N-BC-TGA-GC-P | M22N Indicator, Plastic flat etched, Green, Green, 24 V, push-in terminal | 14.29 | 4549734088077 |
| 662879 | M22N-BC-TGA-GE | Indicator M22N flat etched, cap color green, LED green, LED voltage 200-240 VAC | 14.86 | 4548583711211 |
| 672607 | M22N-BC-TGA-GE-P | M22N Indicator, Plastic flat etched, Green, Green, 220/230/240 V AC, push-in terminal | 16.14 | 4549734088091 |
| 662885 | M22N-BC-TRA-RC | Indicator M22N flat etched, cap color red, LED red, LED voltage 24 VDC | 13.21 | 4548583711143 |
| 672579 | M22N-BC-TRA-RC-P | M22N Indicator, Plastic flat etched, Red, Red, 24 V, push-in terminal | 14.29 | 4549734088022 |
| 672592 | M22N-BC-TRA-RE-P | M22N Indicator, Plastic flat etched, Red, Red, 220/230/240 V AC, push-in terminal | 15.68 | 4549734088046 |
| 660932 | M22N-BC-TWA-WC | Indicator M22N flat etched, cap color white, LED white, LED voltage 24 VDC | 11.73 | 4548583711297 |
| 672612 | M22N-BC-TWA-WC-P | M22N Indicator, Plastic flat etched, White, White, 24 V, push-in terminal | 14.29 | 4549734088176 |
| 672576 | M22N-BC-TWA-WE-P | M22N Indicator, Plastic flat etched, White, White, 220/230/240 V AC, push-in terminal | 16.20 | 4549734088190 |
| 660935 | M22N-BC-TYA-YC | Indicator M22N flat etched, cap color yellow, LED yellow, LED voltage 24 VDC | 11.73 | 4548583711242 |
| 672598 | M22N-BC-TYA-YE-P | M22N Indicator, Plastic flat etched, Yellow, Yellow, 220/230/240 V AC, push-in terminal | 15.68 | 4549734088145 |
| 662881 | M22N-BN-TGA-GC | Indicator M22N flat, cap color green, LED green, LED voltage 24 VDC | 11.88 | 4548583710146 |
| 672611 | M22N-BN-TGA-GC-P | M22N Indicator, Plastic flat, Green, Green, 24 V, push-in terminal | 14.29 | 4549734087025 |
| 660931 | M22N-BN-TGA-GD | Indicator M22N flat, CAP COLOR GREEN, LED GREEN, LED VOLTAGE 100-120 VAC | 13.76 | 4548583710153 |
| 662880 | M22N-BN-TGA-GE | Indicator M22N flat, CAP COLOR GREEN, LED GREEN, LED VOLTAGE 200-240 VAC | 14.86 | 4548583710160 |
| 672605 | M22N-BN-TGA-GE-P | M22N Indicator, Plastic flat, Green, Green, 220/230/240 V AC, push-in terminal | 16.14 | 4549734087049 |
| 661890 | M22N-BN-TRA-RC | Indicator M22N flat, cap color red, LED red, LED voltage 24 VDC | 12.89 | 4548583710092 |
| 672594 | M22N-BN-TRA-RC-P | M22N Indicator, Plastic flat, Red, Red, 24 V, push-in terminal | 14.29 | 4549734086974 |
| 672596 | M22N-BN-TRA-RE-P | M22N Indicator, Plastic flat, Red, Red, 220/230/240 V AC, push-in terminal | 15.68 | 4549734086998 |
| 662492 | M22N-BN-TWA-WC | Indicator M22N flat, cap color white, LED white, LED voltage 24 VDC | 11.93 | 4548583710245 |
| 672622 | M22N-BN-TWA-WC-P | M22N Indicator, Plastic flat, White, White, 24 V, push-in terminal | 14.29 | 4549734087124 |
| 672603 | M22N-BN-TWA-WE-P | M22N Indicator, Plastic flat, White, White, 220/230/240 V AC, push-in terminal | 16.20 | 4549734087148 |
| 662491 | M22N-BN-TYA-YC | Indicator M22N flat, cap color yellow, LED yellow, LED voltage 24 VDC | 11.88 | 4548583710191 |
| 672609 | M22N-BN-TYA-YE-P | M22N Indicator, Plastic flat, Yellow, Yellow, 220/230/240 V AC, push-in terminal | 15.68 | 4549734087094 |

Additional switches

Additional switches

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 150948 | A22-01 | Contact block, SPST-NC, general-purpose load | 3.61 | 4536854356452 |
| 160871 | A22-02 | Contact block, DPST-NC, general-purpose load | 10.21 | 4536854453397 |
| 157745 | A22-10 | Contact block, SPST-NO, general-purpose load | 3.61 | 4536854356469 |
| 160872 | A22-20 | Contact block, DPST-NO, general-purpose load | 10.21 | 4536854453403 |
| 160819 | A22-24AG | LED, 24 VAC/DC, green | 9.08 | 4536853019471 |
| 145656 | A22-24AR | LED, 24 VAC/DC, red | 9.08 | 4536853019488 |
| 160820 | A22-24AY | LED, 24 VAC/DC, yellow | 9.52 | 4536853019501 |
| 160836 | A22-3200 | Mounting latch, momentary models | 1.30 | 4536854356476 |
| 679752 | A22NZ-S-P1BN | E-stop Push-In contact block, SPST-NC, general-purpose load | 8.60 | 4549734144803 |
| 116086 | M22-FG | Indicator, round, IP65, green | 4.62 | 4536853700058 |
| 153020 | M22-FR | Indicator, round, IP65, red | 4.62 | 4536853700065 |
| 153015 | M2BJ-BH24D | Panel mount buzzer, intermittent/ continuous (high pitched) high sound, 12-24 VAC/DC supply | 44.80 | 4536853684822 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|---|-----------|---------------|
| 160858 | A22-TN | Lamp socket, direct lighting | 2.11 | 4536854408274 |
| 160837 | A22Z-3466-1 | Legend plate, emergency stop, 60 mm dia., round, yellow | 4.81 | 4536854356483 |
| 160842 | A22Z-B101 | Control box enclosure, one hole | 23.89 | 4536854375415 |
| 160843 | A22Z-B101Y | Control box enclosure, one hole, yellow, for emergency stop | 26.29 | 4536854375422 |
| 160844 | A22Z-B102 | Control box enclosure, two holes | 25.02 | 4536854375439 |
| 160845 | A22Z-B103 | Control box enclosure, three holes | 30.39 | 4536854375446 |



DIN Track terminal blocks with screw terminals

Global-standard DIN terminal blocks for control panels

- Wires held with screws.
- Compatible with a wide range of wire sizes with a nominal cross section from 2.5 to 150 mm².
- Terminal blocks with fuses and disconnect terminal blocks are available.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 669285 | XW5G-S10-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm ² ; width 10 mm; color green/yellow | 2.94 | 4548583794320 |
| 669277 | XW5G-S16-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm ² ; width 12 mm; color green/yellow | 4.41 | 4548583794351 |
| 669252 | XW5G-S2.5-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm ² ; width 5 mm; color green/yellow | 1.56 | 4548583794238 |
| 669331 | XW5G-S35-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm ² , width 16 mm, color green/yellow | 6.28 | 4548583794382 |
| 669324 | XW5G-S4.0-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm ² ; width 6 mm; color green/yellow | 1.63 | 4548583794269 |
| 669340 | XW5G-S6.0-1.1-1 | Ground DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm ² ; width 8 mm; color green/yellow | 2.26 | 4548583794290 |
| 669337 | XW5T-S10-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm ² ; width 10 mm; color gray | 1.17 | 4548583794306 |
| 669342 | XW5T-S10-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 10 mm ² ; width 10 mm; color blue | 1.17 | 4548583794313 |
| 669316 | XW5T-S16-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm ² ; width 12 mm; color gray | 1.56 | 4548583794337 |
| 669263 | XW5T-S16-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 16 mm ² ; width 12 mm; color blue | 1.56 | 4548583794344 |
| 669329 | XW5T-S2.5-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm ² ; width 5 mm; color gray | 0.41 | 4548583794214 |
| 669291 | XW5T-S2.5-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 2.5 mm ² ; width 5 mm; color blue | 0.41 | 4548583794221 |
| 669326 | XW5T-S2.5-1.1-2 | Multi-tier terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 2.5 mm ² ; width 5 mm; color gray | 1.58 | 4548583794535 |
| 669254 | XW5T-S35-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm ² , width 16 mm, color gray | 3.38 | 4548583794368 |
| 669266 | XW5T-S35-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 35 mm ² , width 16 mm, color blue | 3.38 | 4548583794375 |
| 669265 | XW5T-S4.0-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm ² ; width 6 mm; color gray | 0.56 | 4548583794245 |
| 669336 | XW5T-S4.0-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm ² ; width 6 mm; color blue | 0.56 | 4548583794252 |
| 669283 | XW5T-S4.0-FU5 | Fuse terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 4 mm ² , width 6 mm, fuse block for 5 mm, color gray | 3.23 | 4548583794504 |
| 669306 | XW5T-S4.0-KD | Knife edge disconnect terminal block with screw connection for mounting on TS 35; nominal cross section 4 mm ² ; width 6 mm; color gray | 2.15 | 4548583794528 |
| 669323 | XW5T-S6.0-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm ² ; width 8 mm; color gray | 0.77 | 4548583794276 |
| 669304 | XW5T-S6.0-1.1-1BL | Feed-through DIN rail terminal block with screw connection for mounting on TS 35; nominal cross section 6 mm ² ; width 8 mm; color blue | 0.77 | 4548583794283 |
| 669268 | XW5T-S70-1.1-1 | Feed-through DIN rail terminal block with screw connection for mounting on TS 35 and TS 32, nominal cross section 70 mm ² , width 24 mm, color gray | 14.35 | 4548583794399 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 669282 | XW5E-S16 | End plate for terminal blocks 16 mm ² screw models | 0.52 | 4548583794801 |
| 669267 | XW5E-S2.5 | End plate for terminal blocks 2.5 mm ² to 10 mm ² , screw model | 0.28 | 4548583794795 |
| 669317 | XW5E-S2.5N | End plate for terminal blocks 4 mm ² multi tier screw models | 0.52 | 4548583794849 |
| 669250 | XW5E-S4.0-1.2-1 | End plate for terminal blocks 4 mm ² screw models | 0.37 | 4548583794818 |
| 669339 | XW5E-S4.0-2.2-1 | End plate for terminal blocks 4 mm ² multi-conductor screw models | 0.41 | 4548583794825 |
| 669314 | XW5S-S10-2 | Cross bar for terminal blocks 10 mm ² screw models, 2 poles, Yellow color | 1.27 | 4548583794726 |
| 669284 | XW5S-S2.5-10 | Cross bar for terminal blocks 2.5 mm ² screw models, 10 poles, Yellow color | 2.64 | 4548583794627 |
| 669312 | XW5S-S2.5-10N | Cross bar for terminal blocks 2.5 mm ² screw models, 10 poles, Yellow color | 3.90 | 4548583794788 |
| 669280 | XW5S-S2.5-2 | Cross bar for terminal blocks 2.5 mm ² screw models, 2 poles, Yellow color | 0.31 | 4548583794580 |
| 669262 | XW5S-S2.5-5 | Cross bar for terminal blocks 2.5 mm ² screw models, 5 poles, Yellow color | 1.17 | 4548583794610 |
| 669255 | XW5S-S4.0-10 | Cross bar for terminal blocks 4.0 mm ² screw models, 10 poles, Yellow color | 2.79 | 4548583794672 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 669303 | XW5S-S4.0-5 | Cross bar for terminal blocks 4.0 mm ² screw models, 5 poles, Yellow color | 1.24 | 4548583794665 |
| 669288 | XW5Z-S2.5LB | Unmarked Label for terminal blocks 2.5 mm ² screw models with 5 mm and 10 mm width | 0.20 | 4548583794863 |
| 669300 | XW5Z-S2.5PT | Partition for terminal blocks 2.5 mm ² to 10 mm ² screw models | 0.37 | 4548583794856 |
| 669247 | XW5Z-S4.0LB-1-10 | Marked Label for terminal blocks 4 mm ² screw models, 10 plastic labels marked sequentially 1-10 | 0.34 | 4548583794993 |

XW5_-P

Terminal blocks



DIN Track Push-in Terminal Blocks

Push-in Plus terminal blocks to downsize control panels and save work

- Light insertion force, only 8 N, reduces wiring effort and time.
- Push-in Plus terminal blocks are more compact than traditional screw terminal blocks.
- Slim models available down to a width of 3.5 mm to help downsize control panels.
- Light insertion force and strong holding strength to achieve both less wiring work and high reliability.
- No loosening means maintenance-free application.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|--|-----------|---------------|
| 669962 | XW5G-P1.5-1.1-1 | Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color green/yellow | 1.15 | 4548583796324 |
| 670000 | XW5G-P1.5-2.2-1 | Ground multi conductor DIN rail terminal block with 4 push-in plus connections for mounting on TS 35, nominal cross section 1 mm ² , color green/yellow | 1.46 | 4548583796355 |
| 669959 | XW5G-P2.5-1.1-1 | Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color green/yellow | 1.26 | 4548583796362 |
| 676104 | XW5G-P2.5-2.2-1 | Ground multi conductor DIN rail terminal block with 4 push-in plus connections for mounting on TS 35, nominal cross section 2.5 mm ² , color green/yellow | 1.37 | 4549734137898 |
| 669987 | XW5G-P4.0-1.1-1 | Ground DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm ² , color green/yellow | 1.33 | 4548583796379 |
| 669988 | XW5T-P1.5-1.1-1 | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color gray | 0.47 | 4548583796201 |
| 669995 | XW5T-P1.5-1.1-1BL | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color blue | 0.47 | 4548583796263 |
| 669999 | XW5T-P1.5-1.1-2 | Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color gray | 1.02 | 4548583796218 |
| 669976 | XW5T-P1.5-1.2-1 | Multi conductor feed-through DIN rail terminal block with 3 push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color gray | 0.66 | 4548583796225 |
| 669980 | XW5T-P1.5-2.2-1 | Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color gray | 0.73 | 4548583796232 |
| 670008 | XW5T-P1.5-2.2-1BL | Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 1 mm ² , color blue | 0.73 | 4548583796294 |
| 669950 | XW5T-P2.5-1.1-1 | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color gray | 0.52 | 4548583796249 |
| 669968 | XW5T-P2.5-1.1-1BL | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color blue | 0.52 | 4548583796300 |
| 676108 | XW5T-P2.5-1.1-2 | Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color gray | 1.82 | 4549734137751 |
| 676121 | XW5T-P2.5-1.1-2BL | Multi-tier feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color blue | 1.82 | 4549734137782 |
| 676116 | XW5T-P2.5-2.2-1 | Multi conductor feed-through DIN rail terminal block with 4 push-in plus connection for mounting on TS 35, nominal cross section 2.5 mm ² , color gray | 1.05 | 4549734137775 |
| 670007 | XW5T-P4.0-1.1-1 | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm ² , color gray | 0.57 | 4548583796256 |
| 669953 | XW5T-P4.0-1.1-1BL | Feed-through DIN rail terminal block with push-in plus connection for mounting on TS 35, nominal cross section 4 mm ² , color blue | 0.57 | 4548583796317 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|---|-----------|---------------|
| 669955 | XW5E-P1.5-1.1-1 | End plate for terminal blocks 1 mm ² push-in plus models | 0.22 | 4548583796836 |
| 669973 | XW5E-P1.5-1.1-2 | End plate for multi-tier terminal blocks 1 mm ² push-in plus models | 0.23 | 4548583796843 |
| 670011 | XW5E-P1.5-1.2-1 | End plate for multi conductor 3 connections terminal blocks 1 mm ² push-in plus models | 0.22 | 4548583796850 |
| 669967 | XW5E-P1.5-2.2-1 | End plate for multi conductor 4 connections terminal blocks 1 mm ² push-in plus models | 0.22 | 4548583796867 |
| 669949 | XW5E-P2.5-1.1-1 | End plate for multi conductor 4 connections terminal blocks 2.5 mm ² push-in plus models | 0.23 | 4548583796874 |
| 676114 | XW5E-P2.5-1.1-2 | End plate for multi-tier terminal blocks 2.5 mm ² push-in plus models | 0.44 | 4549734137935 |
| 676112 | XW5E-P2.5-2.2-1 | End plate for multi conductor 4 connections terminal blocks 2.5 mm ² push-in plus models | 0.45 | 4549734137959 |
| 669960 | XW5E-P4.0-1.1-1 | End plate for multi conductor 4 connections terminal blocks 4 mm ² push-in plus models | 0.23 | 4548583796881 |
| 670046 | XW5S-P1.5-10BL | Short bar for terminal blocks 1 mm ² push-in plus models, 10 poles, blue color | 2.99 | 4548583796577 |
| 670043 | XW5S-P1.5-10RD | Short bar for terminal blocks 1 mm ² push-in plus models, 10 poles, red color | 2.99 | 4548583796423 |
| 670049 | XW5S-P1.5-10YL | Short bar for terminal blocks 1 mm ² push-in plus models, 10 poles, blue color | 2.99 | 4548583796720 |
| 669972 | XW5S-P1.5-2BL | Short bar for terminal blocks 1 mm ² push-in plus models, 2 poles, blue color | 0.52 | 4548583796539 |

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|----------------|---|-----------|---------------|
| 669954 | XW5S-P1.5-2RD | Short bar for terminal blocks 1 mm ² push-in plus models, 2 poles, red color | 0.52 | 4548583796386 |
| 669981 | XW5S-P1.5-3BL | Short bar for terminal blocks 1 mm ² push-in plus models, 3 poles, blue color | 0.67 | 4548583796546 |
| 669974 | XW5S-P1.5-4BL | Short bar for terminal blocks 1 mm ² push-in plus models, 4 poles, blue color | 0.83 | 4548583796553 |
| 669989 | XW5S-P1.5-5BL | Short bar for terminal blocks 1 mm ² push-in plus models, 5 poles, blue color | 1.24 | 4548583796560 |
| 669991 | XW5S-P1.5-5RD | Short bar for terminal blocks 1 mm ² push-in plus, 5 poles, red color | 1.24 | 4548583796416 |
| 670047 | XW5S-P2.5-10BL | Short bar for terminal blocks 2.5 mm ² push-in plus models, 10 poles, blue color | 2.99 | 4548583796621 |
| 670044 | XW5S-P2.5-10RD | Short bar for terminal blocks 2.5 mm ² push-in plus models, 10 poles, red color | 2.99 | 4548583796478 |
| 670050 | XW5S-P2.5-10YL | Short bar for terminal blocks 2.5 mm ² push-in plus models, 10 poles, yellow color | 2.99 | 4548583796775 |
| 670006 | XW5S-P2.5-2BL | Short bar for terminal blocks 2.5 mm ² push-in plus models, 2 poles, blue color | 0.60 | 4548583796584 |
| 670009 | XW5S-P2.5-2RD | Short bar for terminal blocks 2.5 mm ² push-in plus models, 2 poles, red color | 0.60 | 4548583796430 |
| 669952 | XW5S-P2.5-2YL | Short bar for terminal blocks 2.5 mm ² push-in plus models, 2 poles, yellow color | 0.60 | 4548583796737 |
| 669979 | XW5S-P2.5-3RD | Short bar for terminal blocks 2.5 mm ² push-in plus models, 3 poles, red color | 0.79 | 4548583796447 |
| 670001 | XW5S-P2.5-4RD | Short bar for terminal blocks 2.5 mm ² push-in plus models, 4 poles, red color | 0.94 | 4548583796454 |
| 670012 | XW5S-P2.5-5BL | Short bar for terminal blocks 2.5 mm ² push-in plus models, 5 poles, blue color | 1.10 | 4548583796614 |
| 669963 | XW5S-P2.5-5RD | Short bar for terminal blocks 2.5 mm ² push-in plus models, 5 poles, red color | 1.10 | 4548583796461 |
| 670048 | XW5S-P4.0-10BL | Short bar for terminal blocks 4 mm ² push-in plus models, 10 poles, blue color | 3.09 | 4548583796676 |
| 670045 | XW5S-P4.0-10RD | Short bar for terminal blocks 4 mm ² push-in plus models, 10 poles, red color | 3.09 | 4548583796522 |
| 669994 | XW5Z-EP12 | Separator Plate for terminal blocks, 12 mm width | 2.96 | 4548583796898 |
| 670013 | XW5Z-EP6 | End bracket for terminal blocks, 6 mm width | 0.44 | 4548583796904 |
| 670027 | XW5Z-P1.5LB1 | Unmarked Label for terminal blocks 1 mm ² push-in plus models, 102 pcs, Plastic, Front side | 23.44 | 4548583796911 |
| 670029 | XW5Z-P2.5LB1 | Unmarked Label for terminal blocks 2.5 mm ² push-in plus, 72 pcs, Plastic, Front side | 23.44 | 4548583796935 |
| 670030 | XW5Z-P2.5LB2 | Unmarked Label for terminal blocks 2.5 mm ² push-in plus, 72 pcs, Plastic, Top and bottom side | 22.42 | 4548583796942 |
| 670031 | XW5Z-P4.0LB1 | Unmarked Label for terminal blocks 4.0 mm ² push-in plus, 60 pcs, Plastic, Front side | 23.44 | 4548583796959 |

G70V I/O relay terminal

I/O relay terminals with 16 points and Push-In Plus technology blocks to downsize control panels and save labor

- I/O relay terminals with 16 points to mount G2RV slim I/O relays
- Push-In Plus technology used to save wiring work in comparison with traditional screw terminals
- Work is reduced even further with one-step cable connection to the PLC
- Diode provided for coil surge absorption
- Operation indicators for immediate recognition of I/O signal status
- Accepts G3RV Slim I/O SSRs
- DIN Track or screw mounting

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|---|-----------|---------------|
| 670254 | G70V-SID16P-1 | Relay terminal, PLC Input, 16 channels, PNP, Push-in terminals | 160.80 | 4548583798151 |
| 670257 | G70V-SOC16P | Relay terminal, PLC Output, 16 channels, NPN, Push-in terminals | 146.20 | 4548583798182 |
| 670256 | G70V-SOC16P-1 | Relay terminal, PLC Output, 16 channels, PNP, Push-in terminals | 146.20 | 4548583798175 |
| 675390 | G70V-SOC16P-1-C4 | Relay terminal, PLC Output, 16 channels, internally connected, PNP, Push-in terminals | 136.80 | 4549734144452 |

**New Slim Connector-Terminal Block Conversion Units**

- Mounting area reduced by 35% (in comparison with 40-pole XW2B Units) to contribute to downsizing control panels and automatic equipment.
- Fallout prevention for terminal screws.
- Round or forked crimp terminals can be used.
- Mount to DIN Track or via screws. Unique DIN Track lock can maintain open status during DIN Track attachment and removal.
- Terminal cover can be locked open.
- Screw terminals are arranged by color in groups of five to simplify counting terminal numbers.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|--|-----------|---------------|
| 374211 | XW2D-20G6 | General-purpose I/O terminal block, MIL20 socket, M3 captive screws, 20 points | 37.38 | 4548583330856 |
| 374212 | XW2D-34G6 | General-purpose I/O terminal block, MIL34 socket, M3 captive screws, 34 points | 48.86 | 4548583330894 |
| 374213 | XW2D-40G6 | General-purpose I/O terminal block, MIL40 socket, M3 captive screws, 40 points | 57.20 | 4548583330931 |
| 374216 | XW2D-50G6 | General-purpose I/O terminal block, MIL50 socket, M3 captive screws, 50 points | 52.15 | 4548583330979 |



Many Variations in Connectors and Number of Poles

- Models available with Phillips screw, slotted screw, push-in, or e-CON connections.
- The terminal arrangement enables smoother wiring work.
- Push-in terminals simplify wiring and make the Terminal Blocks even easier to use. (In comparison to the OMRON XW2F.)
- Mounting to DIN Track is possible.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|---|-----------|---------------|
| 372885 | XW2R-J40G-T | DIN-rail mounting terminal block, MIL40 socket, M3 screws, 40 points, general-purpose | 56.90 | 4548583367326 |
| 670881 | XW2R-P34GD-T | DIN-rail mounting terminal block, MIL34 socket, screw clamp, 34 points, general-purpose, push in spring | 39.35 | 4548583547131 |
| 372996 | XW2R-P40G-T | DIN-rail mounting terminal block, MIL40 socket, push-in clamp, 40 points, general-purpose | 44.50 | 4548583367432 |

XW2Z

PLC Interface Wiring Systems

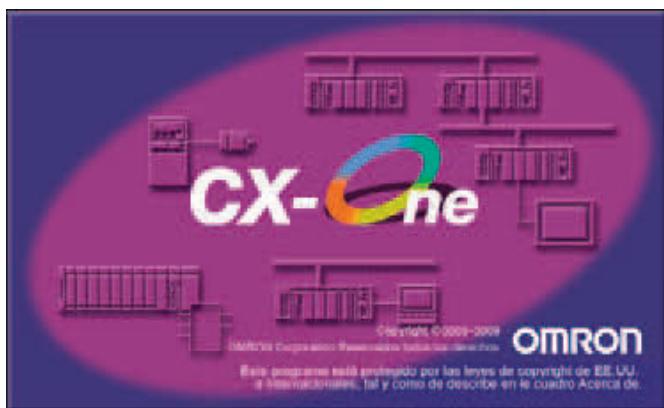


XW2Z

Connect I/O Relay Terminals to I/O Units for Programmable Controllers with one touch.

- Cables with Connectors for G70V and G7TC I/O Relay Terminals, G70D and G70R Relay Terminals, and G70A and P7TF-IS/OS I/O Terminal Sockets.
- Cables with loose wires available with or without crimp terminals.
- Cables available for programmable controllers from Mitsubishi Electric.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-----------------|--|-----------|---------------|
| 670323 | XW2Z-RA200C | I/O connection cable, with shield connection, MIL20 to open ends, 2 m | 90.55 | 4548583800298 |
| 670315 | XW2Z-RO200C-175 | I/O connection cable, with shield connection, FCN40 to 2 x MIL20 for G70 A-ZOC16-3, 2 m / 1.75 m | 89.35 | 4548583800434 |
| 670329 | XW2Z-RO300C-275 | I/O connection cable, with shield connection, FCN40 to 2 x MIL20 for G70A-ZOC16-3, 3 m / 2.75 m | 105.40 | 4548583800441 |
| 670335 | XW2Z-RO50C | I/O connection cable, MIL20 to MIL20 for XW2*-20G* or G70A-ZOC16-3, 0.5 m | 73.45 | 4548583800526 |
| 670326 | XW2Z-RO75-50-D1 | I/O connection cable, with shield connection, MIL40 to 2 x MIL20 for G70V-ZOC16-3, 0.75 m | 146.60 | 4548583800564 |
| 670328 | XW2Z-RY100C | I/O connection cable, with shield connection, MIL20 to fork terminals, 1 m | 68.90 | 4548583800243 |
| 670309 | XW2Z-RY300C | I/O connection cable, with shield connection, MIL20 to fork terminals, 3 m | 85.40 | 4548583800274 |



One software for your automation system

CX-One software allows users to build, configure and program a host of devices such as PLCs, HMIs and motion-control systems and networks using just one software package with one installation and license number. This greatly reduces the complexity of the configuration and allows automation systems to be programmed or configured with minimal training.

- One software to support programming PLCs + HMI, networks, motion & drive, regulation & switching and sensor s
- Common look-&-feel for configuration of all devices
- One installation and license number for all software
- On-line registration offers free upgrade, free libraries, FAQ and help

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------------|---|-----------|---------------|
| 324682 | CXONE-AL01-EV4 | Single-user licence for CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), (requires CDs or DVD, CXOne-CD-EV4, or CXOne-DVD-EV4) | 1,026.00 | 4547648876711 |
| 324688 | CXONE-AL01-EV4-UP | Single-user licence upgrade for CX-One V4.x, requires CDs or DVD with software (CXOne-CD-EV4, or CXOne-DVD-EV4) | 318.50 | 4547648876773 |
| 324683 | CXONE-AL03-EV4 | 3-user licence only, for CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), (requires CDs or DVD, CXOne-CD-EV4, or CXOne-DVD-EV4) | 2,076.00 | 4547648876728 |
| 324695 | CXONE-DVD-EV4 | CX-One V4.x software, for Windows 2000/XP/Vista/Windows 7/8 (32 and 64 bit), supplied on 1x DVD, (requires licence number CXOne-Alxx-EV4-(xx)) | 15.72 | 4547648876841 |
| 313838 | CXONE-LT01-EV4 | CX-One Lite v4.x software, for Windows 2000/XP/Vista, single-user licence only, (requires CDs, CXOne-LTCD-EV4), limited to program the CPx PLC platform | 255.40 | 4547648871129 |

Sysmac Studio

Sysmac Studio

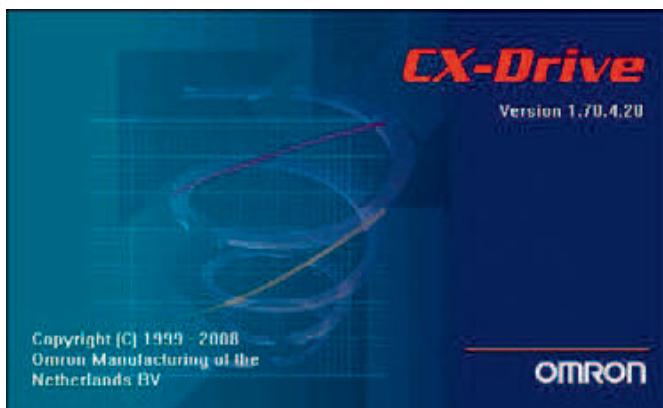


True Integrated Development Environment

The Sysmac Studio provides one design and operation environment for configuration, programming, simulation and monitoring.

- One software for motion, logic sequencing, safety, drives, vision and HMI
- Fully compliant with open standard IEC 61131-3
- Supports Ladder, Structured text and In-Line ST programming with a rich instruction set
- CAM editor for easy programming of complex motion profiles
- One simulation tool for sequence and motion in a 3D environment
- Advanced security function with 32 digit security password

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------------|--|-----------|---------------|
| 672883 | SYSMAC-LE201L | Sysmac Studio Lite license only, single user (requires SYSMAC-SE200D download or installation DVD, available separately) | 923.50 | 4548583984103 |
| 673371 | SYSMAC-LU501L | Sysmac Studio Lite to Sysmac Studio Standard upgrade, 1-user licence only | 1,144.00 | 4548583988255 |
| 410039 | SYSMAC-NE001L | Sysmac Studio NX I/O Edition | 272.90 | 4547648994668 |
| 679805 | SYSMAC-RTNC0000D | CNC operator DVD | 40.50 | 4549734166874 |
| 679803 | SYSMAC-RTNC0101D | CNC operator SDK DVD | 2,278.00 | 4549734166898 |
| 355294 | SYSMAC-SE200D | Sysmac Studio installation DVD only, for Windows XP or Windows 7/8, 32 or 64-bit versions (requires SYSMAC-SE2**L license) | 20.93 | 4547648909785 |
| 355295 | SYSMAC-SE201L | Sysmac Studio license only, single user (requires SYSMAC-SE200D download or installation DVD, available separately) | 1,568.00 | 4547648909792 |
| 355296 | SYSMAC-SE203L | Sysmac Studio license only, 3 user (requires SYSMAC-SE200D installation DVD, available separately) | 3,132.00 | 4547648909808 |
| 680950 | SYSMAC-TA401L | Sysmac Studio Team Option 1 User License | 502.00 | 4549734942607 |
| 680952 | SYSMAC-TA403L | Sysmac Studio Team Option 3 Users License | 1,023.00 | 4549734942621 |



One software tool for inverters & servos

Reduce the time and complexity of configuring, commissioning and maintaining servos and inverters with a single software tool. CX-Drive includes support for features in the new Accurax G5 servo system and MX2 inverter.

- Supports the complete range of Omron servos and inverters
- Auto tuning wizard
- FFT function, resonant frequency analysis of a mechanical system
- Easy drive configuration and monitoring
- Real time and data trace
- Full access to devices from one connection
- Remote access

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|--------------|--|-----------|---------------|
| 379897 | CX-DRIVE 2.9 | CX-Drive configuration software for inverters and servos | 65.35 | 4547648970013 |

CX-Thermo

CX-Thermo



PC-based support software for easy set-up and monitoring

Omron's CX-Thermo support software has been specially developed for use with the company's E5AC/E5CC/E5DC/E5EC, ESAN/E5GN, E5_N-H, E5ZN, ESAR, E5ER and CelciuX® temperature controllers. CX-Thermo enables faster parameter set-up, easier device adjustment and simpler maintenance. It dramatically reduces the time and effort needed to set and manage temperature control parameters.

- Advanced parameter setting and editing
- Batch-downloading functions
- Graphical online monitoring of set point, process value and manipulated value
- Graphical PID tuning tool is also included, providing a simple interface where the controller can be set to tune for optimum stability, reduced overshoot or better disturbance rejection

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 242527 | EST2-2C-MV4 | CX-Thermo, direct 1 to 1 connecting software (1 to several if same TC type), for programming and monitoring E5_N (version 5 & 6), E5ZN and CelciuX (EJ1) | 136.40 | 4547648504447 |

CX-Supervisor

CX-Supervisor



Powerful Machine Visualisation

CX-Supervisor boasts powerful functions for a wide range of PC based HMI requirements. Simple applications can be created rapidly with the aid of a large number of predefined functions and libraries, and even very complex applications can be generated with a powerful programming language or VBScript™. CX-Supervisor has an extremely simple, intuitive handling and high user friendliness. Importing ActiveX® components makes it possible to create flexible applications and extend functionality.

CX-Supervisor is dedicated to the design and operation of PC visualisation and machine control. It is not only simple to use for small supervisory and control tasks, but it also offers a wealth of power for the design of the most sophisticated applications.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------------|--|-----------|---------------|
| 313842 | CX-SUPERVISOR-RUN-ME-V3 | CX-Supervisor Machine Edition Runtime package (with USB dongle) | 604.50 | 4547648871167 |
| 313843 | CX-SUPERVISOR-RUN-PLUS-V3 | CX-Supervisor PLUS Runtime package (with USB dongle) | 950.00 | 4547648871174 |
| 313841 | CX-SUPERVISOR-UPGR-V3 | CX-Supervisor V2 to V3.0 developer upgrade | 431.70 | 4547648871150 |
| 313840 | CX-SUPERVISOR-V3 | CX-Supervisor Developer package, Requires CX-SUPERVISOR-RUN-ME-V3 or CX-SUPERVISOR-RUN-PLUS-V3 runtime package with USB dongle | 604.50 | 4547648871143 |



Simple but effective connectivity

As a pair to our OPC product, CX-Server LITE is designed to meet a wide variety of programmers' needs from the simple to the advanced. Used to create PC-based simple HMI projects, CX-Server LITE allows designers of custom programs to send and receive PLC data and manipulate controllers within Omron networks.

- Supports all Omron Networks
- Communicates to CS/CJ/C/CV and CP family PLCs, Trajexia, Celciux and ZX Sensors
- Supports all Omron communication protocols
- Program from Visual Basic, Excel or .NET
- Simple configuration using graphical components or complex scripting using API

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|-------------|--|-----------|---------------|
| 249713 | CX-LITE-EV2 | CX-Server Lite software package, (single licence) supports serial, Ethernet, controller Link communications, for Windows2000/XP/Vista/Windows 7 (32bit)/Windows Server 2003 and 2008 (32bit), CD-ROM | 345.70 | 4547648857680 |

CX-Server OPC

CX-Server OPC



Omron's devices meet 'Open Integration'

CX-Server OPC provides a connection between the industry standard OPC interface specification and Omron's network architecture and controllers. CX-Server OPC allows any OPC compliant client software to interface easily with Omron.

- Compatible with OPC Data Access 1.0a and 2.05 SCADA clients
- Implements optional interfaces like Symbol Browsing and hierarchical workspace
- Supports all Omron Networks
- Communicates to CS/CJ/C/CV and CP family PLCs, Trajexia, Celciux and ZX Sensors
- Supports all Omron communication protocols

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 249714 | CX-OPC-EV2 | CX-Server OPC software(Single Licence), for Windows2000/XP/Vista/Windows 7 (32bit)/Windows Server 2003 and 2008 (32 bit), single-user licence, CD-Rom | 690.50 | 4547648857703 |

CX-Compolet/SYSMAC Gateway

CX-Compolet/SYSMAC Gateway



High Performance and full connectivity

SYSMAC Gateway is a communications middleware for personal computers running Windows. Support CIP communications and tag data links (EtherNet/IP) in addition to FinsGateway functions. It's available as a standalone package to act just as Communications Middleware and it's also included in the CX-Compolet package.

CX-Compolet includes software components that can make it easy to create programs for communications between a computer and Omron controllers. This package includes .NET control objects and ActiveX control objects that can be used with Visual Basic and C# programming languages. Apart of the standard communication functionality, it supports the communication using Ethernet/IP Tag names with CJ2 an NJ/ NX controller families. Data types like structures and arrays are also supported.

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|---------------------|--|-----------|---------------|
| 342189 | CX-COMPOLET-EV1-01L | 1 License Software with components to create programs for com. between PC's and PLC's. Developm. environment: Visual Studio, .NET2003/2005/2008/2010/2013. Developm. languages: VB., .NET, Visual C#. This packaged is bundled with SYSMAC Gateway | 403.00 | 4547648887182 |



Bringing the NS to your PC

With the release of NS Runtime PC comes the ability to run exactly the same HMI projects directly on your PC or IPC.

- Reuse your NS projects, no need to recode
- See your HMI on your PC
- Perfect combination with a DyaloX

| Short item number | Order code | Description | Price EUR | GTIN |
|-------------------|------------|---|-----------|---------------|
| 235310 | NS-NSRCL1 | NS-Runtime software, for Windows XP, 1 x USB Dongle | 1,388.00 | 4547648352567 |

Fiyatlarımıza herhangi bir ihbara gerek duymaksızın değişiklik yapma hakkımız mahfuzdur.

İçeride görülen resim ve teknik değerler genel bilgi amaçlıdır.
Cihaz ölçüleri, montaj ve işletme verileri için, cihazla birlikte verilen işletme talimatını esas alınınız.

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Fiyat listemizde bulunmayan ürünlerimiz için lütfen yetkili bayilerimiz ya da genel merkezimiz ile iletişime geçiniz.

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