

Sensor/actuator box - SACB-6/12-M23 180 - 1692763

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: M23 plug connection 180°, Shielding: No

The illustration shows a version with 8 slots

Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Flexible, distributed bundling of signals in one master cable
- Save space: distributor box with double occupancy for two sensors in one slot



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 177836 |
| Weight per Piece (excluding packing) | 134.2 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|--|------------|
| Rated voltage | 120 V |
| Max. operating voltage U_{max} | 135 V |
| Current carrying capacity per I/O signal | 2 A |
| Current carrying capacity per slot | 4 A |
| Total rated current | 12 A |
| Number of positions | 5 |
| Number of slots | 6 |
| Inflammability class according to UL 94 | V0 |
| Sensor/actuator connection system | M12 socket |

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
|----------------------|------|

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Technical data

Ambient conditions

| | |
|---------------------------------|------------------|
| | IP67 |
| Ambient temperature (operation) | -20 °C ... 75 °C |

Master cable data/connection data

| | |
|--|---------------------|
| Connection method | M23 plug connection |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |

Insulation material

| | |
|--|-------------|
| Housing material | PA |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material of contact, master cable side | CU alloy |
| Material of contact surface, master cable side | Gold-plated |
| Material of the contact carrier on the master cable side | PA |
| Material of threaded sleeve | PA |
| O-ring material | NBR |

Pin assignment

| | |
|--|------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = 15 |
| | 1 / 2 (B) = 7 |
| | 2 / 4 (A) = 5 |
| | 2 / 2 (B) = 4 |
| | 3 / 4 (A) = 16 |
| | 3 / 2 (B) = 8 |
| | 4 / 4 (A) = 3 |
| | 4 / 2 (B) = 14 |
| | 5 / 4 (A) = 17 |
| | 5 / 2 (B) = 9 |
| | 6 / 4 (A) = 2 |
| | 6 / 2 (B) = 13 |
| | 1-6 / 1 (+ 120 V) = 19 |
| | 1-6 / 3 (0 V) = 6 |
| | 1-6 / 5 (PE) = 12 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27279219 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11 | 31261501 |
| UNSPSC 12.01 | 31261501 |
| UNSPSC 13.2 | 31261501 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | |
|----------------------------|-------|
| UL Recognized | |
| mm ² /AWG/kcmil | 22-16 |
| Nominal voltage UN | 120 V |

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Approvals

| | |
|----------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 22-16 |
| Nominal voltage UN | 120 V |

| |
|-----|
| EAC |
|-----|

| |
|------------------|
| cULus Recognized |
|------------------|

Accessories

Accessories

Assembly tool

Pipe spanner - PLUSCON-RCS - 1665062



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

Master cable, assembled

Master cable - RCK-TGUM/BL16+3/ 5,0PUR-U - 1684056



Master cable, Application: Sensor/actuator box, Connection method: M12 socket Plastic, Number of positions: 19, Slot assignment: Double, Status indication: No; Master cable connection: M23 plug connection, PUR/PVC, Cable length: 5 m, Shielding: No

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Accessories

Master cable - RCK-TGUM/BL16+3/10,0PUR-U - 1684069



Master cable, Application: Sensor/actuator box, Connection method: M12 socket Plastic, Number of positions: 19, Slot assignment: Double, Status indication: No; Master cable connection: M23 plug connection, PUR/PVC, Cable length: 10 m, Shielding: No

Master cable - RCK-TWUM/BL16+3/ 5,0PUR-U - 1684072



Master cable, Application: Sensor/actuator box, Connection method: M12 socket Plastic, Number of positions: 19, Slot assignment: Double, Status indication: No; Master cable connection: M23 plug connection, PUR/PVC, Cable length: 5 m, Shielding: No

Master cable - RCK-TWUM/BL16+3/10,0PUR-U - 1684085



Master cable, Application: Sensor/actuator box, Connection method: M12 socket Plastic, Number of positions: 19, Slot assignment: Double, Status indication: No; Master cable connection: M23 plug connection, PUR/PVC, Cable length: 10 m, Shielding: No

Female connector - V-RC/TGUM 13/KVD 13/LBL 16+3 - 1000042



M23 socket, 19-pos., straight, freely configurable, with solder connection, for external cable diameter of 10 mm ... 14 mm

Female connector - V-RC/TWUM 13/KVD 13/LBL 16+3 - 1000044



M23 socket, 19-pos., angled, freely configurable, with solder connection, for external cable diameter of 10 mm ... 14 mm

Protective cap

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Accessories

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

Protective cap - MSK 1 - 1665897



M23 metal sealing cap, for unoccupied M23 connectors, without steel wire

Protective cap - MSK 2 - 1665907



M23 metal sealing cap, for unoccupied M23 connectors, with steel wire

Protective cap - KSK 1 - 1685013



Plastic sealing cap, for unoccupied M23 connectors

Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Torque tool

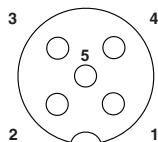
Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

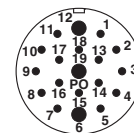
Drawings

Schematic diagram



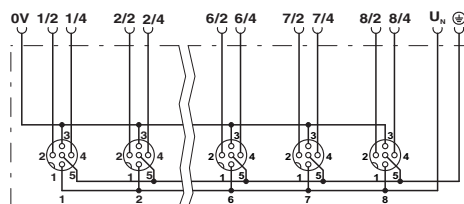
M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

Circuit diagram



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Dimensioned drawing

