Extract from the online catalog

# SACB-8/ 8-10,0PUR

Order No.: 1680995



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1680995

Sensor/actuator box, M12 female connector, Number of slots: 8, Number of positions: 4, Slot assignment: Single, Status indication: No, Universal 180°, PUR/PVC, Cable length: 10 m, Shielding: No

## Commercial data

| | |
|---|---|
| GTIN (EAN) | 4 017918 171230 |
| sales group | D101 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 114 (PC-2009) |

Product notes

WEEE/RoHS-compliant since: 03/16/2006

http://www.download.phoenixcontact.com
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## Technical data

### General data

| | |
|---|---|
| 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 | 4 |
| Number of slots | 8 |
| Degree of protection | IP65/IP67 |
| Inflammability class acc. to UL 94 | V0 |
| Ambient temperature (operation) | -25 °C ... 75 °C |
| Sensor/actuator connection system | M12 female connector |

**Master cable data**

| | |
|---|---|
| Type of connection | Fixed connection |
| Length of cable | 10 m |
| Cable type | Master cable suitable for flexible cable conduit |
| Signal line cross section | 8x 0.34 mm² |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| Power supply cross section | 3x 0.75 mm² |
| AWG power supply | 19 |
| Conductor structure, voltage supply | 96x 0.10 mm |
| External diameter | 9.2 mm |
| Max. bending cycles | 1500000 |
| Bending radius | 95 mm |
| Traversing path | 2 m |
| Traversing rate | 2 m/s |
| Ambient temperature (operation) | -40 °C ... 90 °C (for fixed installation) |
| | -5 °C ... 80 °C (for flexible installation) |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |
| Tightening torque screw plug | 0.4 Nm |

**Insulation material**

| | |
|---|---|
| Housing material | PA |
| Contact material | CuSn |
| Contact surface material | Ni/Au |
| Contact carrier material | PA |
| Material, O-ring | NBR |

**Pin assignment**

| | |
|---|---|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH |

| | |
|---|---|
| | 2 / 4 (A) = GN |
| | 3 / 4 (A) = YE |
| | 4 / 4 (A) = GY |
| | 5 / 4 (A) = PK |
| | 6 / 4 (A) = RD |
| | 7 / 4 (A) = BK |
| | 8 / 4 (A) = VT |
| | 1-8 / 1 (+ 120 V) = BN |
| | 1-8 / 3 (0 V) = BU |
| | 1-8 / 5 (PE) = GN/YE |

## Certificates / Approvals

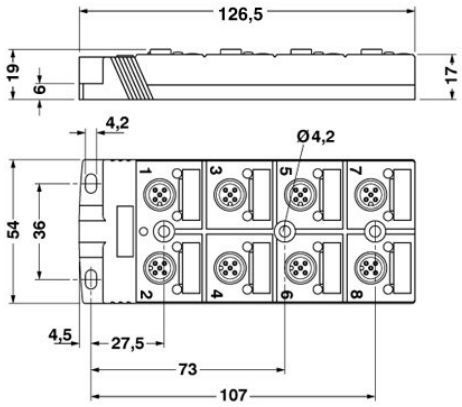
Certification CUL, GOST, UL

## Accessories

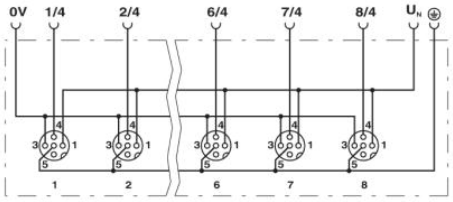
| Item | Designation | Description |
|---|---|---|
| **Marking** | | |
| 2809128 | ZBN 18:UNBEDRUCKT | Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White |
| **Protection and sealing elements** | | |
| 1680539 | PROT-M12 | An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors |
| **Tools** | | |
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208445 | SACC BIT M12-D20 | Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208429 | TSD 04 SAC | Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors |

## Diagrams/Drawings

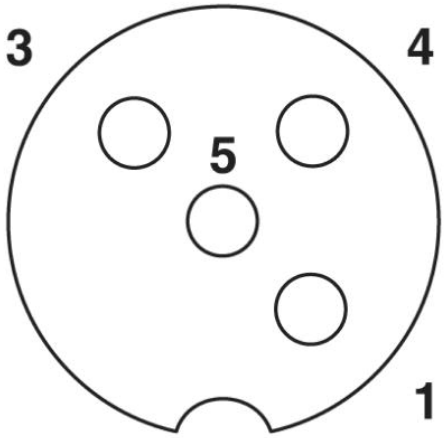
Dimensioned drawing




Circuit diagram




Schematic diagram




M12 slot, socket, 4-pos.

## Address

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