


SACB-8/16- 5,0PUR SH

Order No.: 1695825



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1695825>

Sensor/actuator box, M12 female connector, Number of slots: 8,
Number of positions: 5, Slot assignment: Double, Status indication:
No, Universal 180°, PUR/PVC, Cable length: 5 m, Shielding: Yes

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 899462 |
| Note | Made-to-order |
| sales group | D107 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 120 (PC-2009) |

Product notes

WEEE/RoHS-compliant since:
02/07/2006



<http://www.download.phoenixcontact.com>
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| Technical data | |
|--|---------|
| General data | |
| Rated voltage | 48 V |
| | 60 V DC |
| 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 | 8 |
| Degree of protection | IP65/IP67 |
| Inflammability class acc. to UL 94 | V0 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Sensor/actuator connection system | M12 female connector |

Master cable data

| | |
|--|--|
| Type of connection | Fixed connection |
| Length of cable | 5 m |
| Cable type | Master cable suitable for flexible cable conduit |
| Signal line cross section | 16x 0.5 mm ² |
| AWG signal line | 20 |
| Conductor structure signal line | 64x 0.10 mm |
| Power supply cross section | 3x 1 mm ² |
| AWG power supply | 18 |
| Conductor structure, voltage supply | 128x 0.10 mm |
| External diameter | 11.6 mm |
| Max. bending cycles | 1500000 |
| Bending radius | 120 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 | Aluminum |
| Housing surface material | Nickel-plated |
| Material of the moulding mass | PUR |
| Contact material | Cu alloy |
| Contact surface material | Gold-plated |
| Contact carrier material | PA |
| Material of contact, master cable side | CU alloy |

| | |
|--|-------------|
| Material of contact surface, master cable side | Gold-plated |
| Material, O-ring | NBR |

Pin assignment

| | |
|--|-----------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH |
| | 1 / 2 (B) = GY/PK |
| | 2 / 4 (A) = GN |
| | 2 / 2 (B) = RD/BU |
| | 3 / 4 (A) = YE |
| | 3 / 2 (B) = WH/GN |
| | 4 / 4 (A) = GY |
| | 4 / 2 (B) = BN/GN |
| | 5 / 4 (A) = PK |
| | 5 / 2 (B) = WH/YE |
| | 6 / 4 (A) = RD |
| | 6 / 2 (B) = YE/BN |
| | 7 / 4 (A) = BK |
| | 7 / 2 (B) = WH/GY |
| | 8 / 4 (A) = VT |
| | 8 / 2 (B) = GY/BN |
| | 1-8 / 1 (+ 48 V) = BN |
| | 1-8 / 3 (0 V) = BU |
| | 1-8 / 5 (PE) = GN/YE |

Certificates / Approvals



Certification

GOST

Accessories

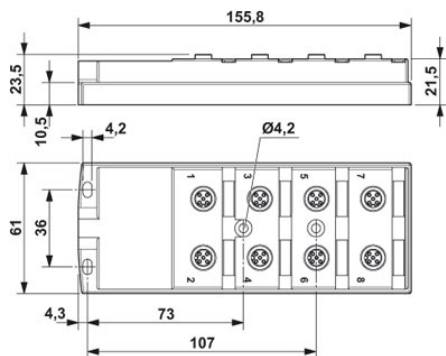
| Item | Designation | Description |
|----------------|-------------------|---|
| Marking | | |
| 2809128 | ZBN 18:UNBEDRUCKT | Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White |

| | | |
|--|-------------|---|
| Protection and sealing elements | | |
| 1503302 | PROT-M12 SH | An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors |

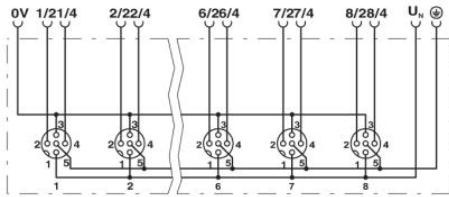
| | | |
|--------------|------------------|---|
| Tools | | |
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208445 | SACC BIT M12-D20 | Nut for assembling SACC M12 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

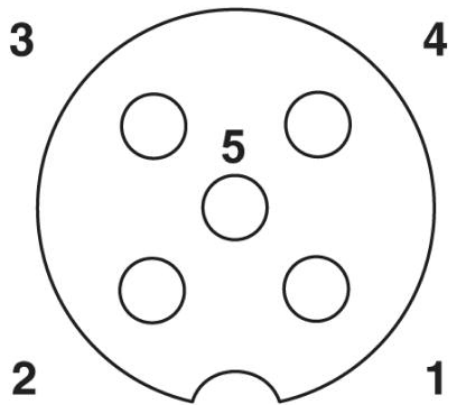
Dimensioned drawing



Circuit diagram



Schematic diagram



M12 slot, socket, 5-pos.

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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