

SACB-6/ 6-10,0PUR SCO


Order No.: 1517013



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1517013>

Sensor/actuator box, M12-SPEEDCON-socket, Number of slots: 6, 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 967680 |
| Note | Made-to-order |
| sales group | D101 |
| Pack | 1 pcs. |
| Customs tariff | 85366990 |
| Catalog page information | Page 116 (PC-2009) |

Product notes

WEEE/RoHS-compliant since: 01/01/2008



<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 | 6 |
| Degree of protection | IP65/IP67/IP69K |
| Inflammability class acc. to UL 94 | V0 |
| Ambient temperature (operation) | -30 °C ... 90 °C |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

Master cable connection data

| | |
|--|--|
| Type of connection | Fixed connection |
| Length of cable | 10 m |
| 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 | PBT |
| Material of the moulding mass | PUR |
| Contact material | Cu alloy |
| Contact surface material | Gold-plated |
| Contact carrier material | PA |
| Material of threaded sleeve | Zinc die-cast |
| Material of threaded sleeve surface | Nickel-plated |
| 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 |
| | 1-6 / 1 (+ 120 V) = BN |
| | 1-6 / 3 (0 V) = BU |
| | 1-6 / 5 (PE) = GN/YE |

Conductor data

| | |
|---|--|
| Cable type | PUR/PVC black |
| Cable abbreviation | LiYY11Y-HF |
| Conductor cross section | 6x 0.34 mm ² (signal line) 3x 0.75 mm ² (Power supply) |
| AWG signal line | 22 |
| Conductor structure signal line | 42x 0.10 mm |
| AWG power supply | 19 |
| Conductor structure, voltage supply | 96x 0.10 mm |
| External cable diameter | 8.70 mm |
| External sheath, color | Deep black RAL 9005 |
| Nominal voltage, conductor | 300 V |
| Test voltage, conductor | 2000 V |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Smallest bending radius, fixed installation | 90 mm |
| Smallest bending radius, movable installation | 90 mm |
| Number of bending cycles | 1500000 |
| Bending radius | 90 mm |
| Traversing path | 2 m |
| Traversing rate | 2 m/s |
| Special properties | Silicone-free Free of substances which would hinder coating with paint or varnish |
| Flame resistance | DIN EN 50265-2-1 |
| Resistance to oil | As per VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |

Certificates / Approvals



Certification

CUL, UL

Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Marking

| | | |
|---------|---------------|---|
| 0804963 | SS-ZB 17,5 WH | Contact marker Zack strip, unprinted: 5-section, for snapping into equipment and components with special marker carrier, can be labeled with M-PEN, CMS system or label BMKT 17.5 x 8, lettering field: 17.5 x 8 mm, color: white |
|---------|---------------|---|

Protection and sealing elements

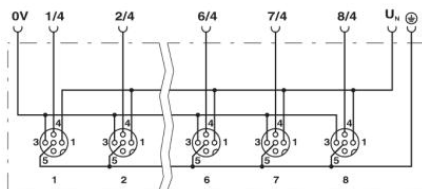
| | | |
|---------|-------------|--|
| 1553129 | PROT-MS SCO | M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors |
|---------|-------------|--|

Tools

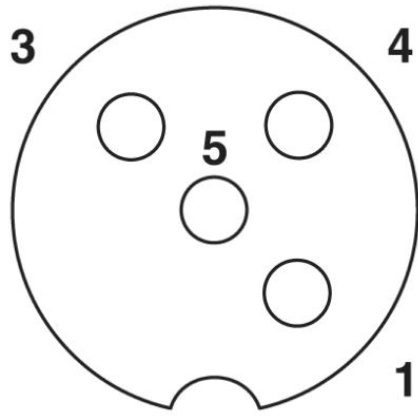
| | | |
|---------|------------------|---|
| 1208432 | SAC BIT M12-D15 | Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive |
| 1208445 | SACC BIT M12-D20 | Nut for assembling SACC M12 connectors for free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

Circuit diagram



Schematic diagram



M12 slot, socket, 4-pos.

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