

Connector hood - SACB-C-H180-4/ 8-10,0PUR SCO P - 1453096

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Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Slot assignment: Double, Status indication: No; Master cable connection: Pluggable screw connection 180°, Cable length: 10 m, Shielding: No



Key commercial data

| | |
|----------------------|----------|
| Packing unit | 1 PCE |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

Technical data

General

| | |
|--|---------------------|
| Rated voltage | 120 V |
| Current carrying capacity per I/O signal | 2 A |
| Total rated current | 10 A |
| Number of slots | 4 |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

Ambient conditions

| | |
|---------------------------------|---|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -25 °C ... 80 °C |
| | -40 °C ... 90 °C (for fixed installation) |
| | -5 °C ... 80 °C (for flexible installation) |

Master cable connection data

| | |
|--------------------------------|----------------------------|
| Connection method | Pluggable screw connection |
| Length of cable | 10 m |
| Tightening torque, cover screw | 1 Nm |
| Tightening torque, union nut | 2.5 Nm |

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Technical data

Insulation material

| | |
|--|----------|
| Housing material | PBT |
| Material of contact, master cable side | CU alloy |
| Material of contact surface, master cable side | Sn |
| Material of the contact carrier on the master cable side | PA |
| Sealing material | 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 |
| | 1-4 / 1 (+ 120 V) = BN |
| | 1-4 / 3 (0 V) = BU |
| | 1-4 / 5 (PE) = GN/YE |

Cable

| | |
|--|--------------------------------------|
| Cable type | PUR/PVC black |
| Cable type (abbreviation) | PUR |
| Cable abbreviation | LiYY11Y-HF |
| UL AWM style | 20549 |
| Conductor cross section | 8x 0.5 mm ² (signal line) |
| | 3x 1 mm ² (power line) |
| AWG signal line | 20 |
| AWG power supply | 17 |
| Conductor structure signal line | 28x 0.15 mm |
| Conductor structure, voltage supply | 56x 0.15 mm |
| Core diameter including insulation | 1.5 mm ±0.1 mm (signal line) |
| | 2.1 mm ±0.1 mm (power line) |
| Thickness, insulation | ≥ 0.15 mm (Inner sheath) |
| | ≥ 0.38 mm (Outer cable sheath) |
| Overall twist | Wires twisted in layers |
| External sheath, color | Black RAL 9005 |
| External cable diameter D | 8.7 mm ± 0.2 mm |
| Minimum bending radius, fixed installation | 7.5 x D |

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Technical data

Cable

| | |
|---|--|
| Minimum bending radius, flexible installation | 10 x D |
| Number of bending cycles | 1500000 |
| Bending radius | 87 mm |
| Traversing path | 2 m |
| Traversing rate | 2 m/s |
| Cable weight | 122 kg/km |
| Outer sheath, material | PUR |
| Material, inner sheath | PVC |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V |
| Special properties | Silicone-free |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | As per VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (cable, flexible installation) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11 | 31261501 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 12.01 | 31261501 |
| UNSPSC 13.2 | 31261501 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

GOST

cULus Recognized

Accessories

Accessories

Cable by the meter

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Accessories

Master cable ring - SACB- 8X0,5/ 3X1,0-50,0 PUR - 1503357



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Master cable ring - SACB-8X0,5/3X1,0-50,0 HPUR - 1401690



Master cable ring, For use in Distributor boxes, Number of positions: 11, Cable length: 50 m

Device marking

Contact marker – zack marker strip - SS-ZB 17,5 WH - 0804963



Contact marker – zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Contact marker – zack marker strip - SS-ZB 17,5 YE - 0804976



Contact marker – zack marker strip, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Header with metric measurement slots

Sensor/actuator box header - SACB-4/ 8-L-C GG SCO P - 1452877



Sensor/actuator box header, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection, Shielding: No

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Accessories

Labeled device marker

Contact marker – zack marker strip - SS-ZB 17,5 WH CUS - 0824468



Contact marker – zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Contact marker – zack marker strip - SS-ZB 17,5 YE CUS - 0824469



Contact marker – zack marker strip, Can be ordered: Strip, yellow, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

Screwdriver tools

Philips screwdriver - SZK PZ2 VDE - 1206463



Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

Tool - SAC BIT HOOD-W 24 - 1212486



Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

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Accessories

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Torque tool

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Torque screwdriver - TSD 25 SAC - 1212315



Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

Torque screwdriver - TSD-M 3NM - 1212225

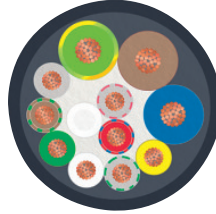


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

Drawings

Connector hood - SACB-C-H180-4/ 8-10,0PUR SCO P - 1453096

Cable cross section



PUR/PVC black [PUR]