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# Connector hood - SACB-C-H180-8/16-10,0PUR SCO P - 1453216

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Connector hood, Application: Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 8, Slot assignment: Double, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 10 m, Shielding: No

## Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 1 STK               |
| GTIN         | <br>4 046356 553445 |

## Technical data

### General

|  |                     |
|--|---------------------|
| Rated voltage                            | 120 V               |
| Current carrying capacity per I/O signal | 2 A                 |
| Total rated current                      | 10 A                |
| Number of slots                          | 8                   |
| 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                     |

### 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       |

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## Technical data

### Insulation material

|                  |     |
|------------------|-----|
| 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      |
|  | 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 (+ 120 V) = BN |
|  | 1-8 / 3 (0 V) = BU     |
|  | 1-8 / 5 (PE) = GN/YE   |

### Standards and Regulations

|                                  |     |
|----------------------------------|-----|
| Connection in acc. with standard | CUL |
|----------------------------------|-----|

### Cable

|                                     |  |
|-------------------------------------|--|
| Cable type                          | PUR/PVC black  |
| Cable type (abbreviation)           | PUR  |
| Cable abbreviation                  | LiYY11Y-HF   |
| UL AWM style                        | 20549 (80°C/300 V)   |
| Conductor cross section             | 16x 0.5 mm <sup>2</sup> (Signal line)  |
|                                     | 3x 1 mm <sup>2</sup> (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)  |
| Wire colors                         | Brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray, gray/brown |
| Overall twist                       | Wires twisted in layers  |

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## Technical data

### Cable

|   |  |
|---|--|
| External sheath, color                          | black RAL 9005   |
| Inner sheath thickness                          | ≥ 0.15 mm  |
| Outer sheath thickness                          | ≥ 0.76 mm  |
| External cable diameter D                       | 10.5 mm ±0.2 mm  |
| Minimum bending radius, fixed installation      | 7.5 x D  |
| Minimum bending radius, flexible installation   | 10 x D   |
| Number of bending cycles                        | 1500000  |
| Minimum bending radius, drag chain applications | 10 x D   |
| Traversing path                                 | 2 m  |
| Traversing rate                                 | 2 m/s  |
| Cable weight                                    | 183.7 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                                | according to 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 | 27279219 |

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 31261501 |
|-------------|----------|

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

UL Recognized

cUL Recognized

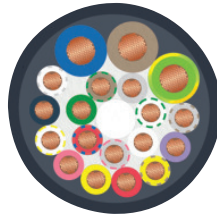
EAC

cULus Recognized

## Drawings

## Connector hood - SACB-C-H180-8/16-10,0PUR SCO P - 1453216

Cable cross section



PUR/PVC black [PUR]

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