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# Connector hood - SACB-C-H180- 8/3- 5,0PUR-M8 - 1516331

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Connector hood, Application: Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 8, Coding: A - standard, Slot assignment: single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No

## Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 1 STK               |
| GTIN         | <br>4 017918 967260 |

## Technical data

### General

|  |           |
|--|-----------|
| Rated voltage                            | 120 V     |
| Current carrying capacity per I/O signal | 2 A       |
| Total rated current                      | 8 A       |
| Number of slots                          | 8         |
| Sensor/actuator connection system        | M8 socket |

### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Degree of protection            | IP65  |
|                                 | IP67  |
| Ambient temperature (operation) | -30 °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   | 5 m                        |

### Insulation material

|  |             |
|--|-------------|
| Housing material   | PBT         |
| Material of contact, master cable side                   | CU alloy    |
| Material of contact surface, master cable side           | Gold-plated |
| Material of the contact carrier on the master cable side | PA          |

### Pin assignment

# Connector hood - SACB-C-H180- 8/3- 5,0PUR-M8 - 1516331

## Technical data

### 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 (+ 24 V) = BN |
|  | 1-8 / 3 (0 V) = BU    |

### 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   |
| Conductor cross section                       | 8x 0.34 mm <sup>2</sup> (Signal line)<br>2x 0.75 mm <sup>2</sup> (power line) |
| AWG signal line                               | 22  |
| AWG power supply                              | 18  |
| Conductor structure signal line               | 19x 0.15 mm   |
| Conductor structure, voltage supply           | 42x 0.15 mm   |
| Core diameter including insulation            | 1.3 mm ±0.1 mm (Signal line)<br>1.8 mm ±0.1 mm (power line)                   |
| Overall twist                                 | Wires twisted in layers   |
| External sheath, color                        | black RAL 9005  |
| Inner sheath thickness                        | ≥ 0.15 mm   |
| Outer sheath thickness                        | ≥ 0.38 mm   |
| External cable diameter D                     | 7.9 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   |
| Bending radius                                | 79 mm   |
| Traversing path                               | 2 m   |
| Traversing rate                               | 2 m/s   |
| Cable weight                                  | 92 kg/km  |
| Outer sheath, material                        | PUR   |
| Material, inner sheath                        | PVC   |
| Material conductor insulation                 | PVC   |

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## Technical data

### Cable

|                                 |  |
|---------------------------------|--|
| 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 | 27279219 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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## Approvals

Ex Approvals

Approvals submitted

### Approval details

|                    |      |
|--------------------|------|
| UL Recognized      |      |
| Nominal voltage UN | 24 V |

|                    |      |
|--------------------|------|
| cUL Recognized     |      |
| Nominal voltage UN | 24 V |

EAC

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

## Drawings

Cable cross section



PUR/PVC black [PUR]

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PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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