

# Connector hood - SACB-C-H180-8/ 8- 5,0PUR SCO - 1516577

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Connector hood, For use in Sensor/actuator box, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 8, Slot assignment: Single, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No

## Key commercial data

package_quantity	1
GTIN	4017918967369

## 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
Degree of protection	IP67
Degree of protection	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (operation)	-40 °C ... 90 °C (for fixed installation)
Ambient temperature (operation)	-5 °C ... 80 °C (for flexible installation)

### Master cable connection data

Connection method	Pluggable screw connection
Length of cable	5 m
Tightening torque, cover screw	0.35 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	Gold-plated
Material of the contact carrier on the master cable side	PA

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## Technical data

### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
Slot/position = Wire color or connection	2 / 4 (A) = GN
Slot/position = Wire color or connection	3 / 4 (A) = YE
Slot/position = Wire color or connection	4 / 4 (A) = GY
Slot/position = Wire color or connection	5 / 4 (A) = PK
Slot/position = Wire color or connection	6 / 4 (A) = RD
Slot/position = Wire color or connection	7 / 4 (A) = BK
Slot/position = Wire color or connection	8 / 4 (A) = VT
Slot/position = Wire color or connection	1-8 / 1 (+ 120 V) = BN
Slot/position = Wire color or connection	1-8 / 3 (0 V) = BU
Slot/position = Wire color or connection	1-8 / 5 (PE) = GN/YE

### 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	8x 0.34 mm <sup>2</sup> (signal line)
Conductor cross section	3x 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)
Core diameter including insulation	1.8 mm ±0.1 mm (power line)
Thickness, insulation	≥ 0.15 mm (Inner sheath)
Thickness, insulation	≥ 0.38 mm (Outer cable sheath)
Overall twist	Wires twisted in layers
External sheath, color	Black RAL 9005
External cable diameter D	8.5 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	107.4 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

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## Technical data

### Cable

<b>Test voltage, cable</b>	2000 V
<b>Special properties</b>	Silicone-free
<b>Flame resistance</b>	DIN EN 50265
<b>Resistance to oil</b>	As per VDE 0472 Part 803
<b>Other resistance</b>	Highly resistant to acids, alkaline solutions and solvents
<b>Ambient temperature (operation)</b>	-40 °C ... 90 °C (cable, fixed installation)
<b>Ambient temperature (operation)</b>	-5 °C ... 80 °C (cable, flexible installation)

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27140815
<b>eCl@ss 4.1</b>	27140815
<b>eCl@ss 5.0</b>	27143423
<b>eCl@ss 5.1</b>	27143423
<b>eCl@ss 6.0</b>	27143423
<b>eCl@ss 7.0</b>	27449001
<b>eCl@ss 8.0</b>	27449001

### ETIM

<b>ETIM 2.0</b>	EC000200
<b>ETIM 3.0</b>	EC001856
<b>ETIM 4.0</b>	EC002585
<b>ETIM 5.0</b>	EC001855

### UNSPSC

<b>UNSPSC 6.01</b>	31261501
<b>UNSPSC 7.0901</b>	31261501
<b>UNSPSC 11</b>	31261501
<b>UNSPSC 12.01</b>	31261501
<b>UNSPSC 13.2</b>	31261501

## approvals

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UL Recognized / cUL Recognized / GOST / cULus Recognized /

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### Approval details



## Connector hood - SACB-C-H180-8/ 8- 5,0PUR SCO - 1516577

approvals

cUL Recognized 

GOST 

cULus Recognized 

accessories

**Header with metric measurement slots**

SACB-8/ 8-L-C GG SCO - 1516768



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**Screwdriver tools**

SZK PZ1 VDE - 1206450



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SAC BIT HOOD-W 24 - 1212486



## Connector hood - SACB-C-H180-8/ 8- 5,0PUR SCO - 1516577

### accessories

TSD-M SAC-BIT ADAPTER - 1212600



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### Torque tool

TSD-M 1,2NM - 1212224



TSD 25 SAC - 1212315



TSD-M 3NM - 1212225



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### Cable by the meter

SACB- 8X0,34/ 3X0,75-50,0 PUR - 1503344



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### Device marking

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accessories

SS-ZB 17,5 WH - 0804963



SS-ZB 17,5 YE - 0804976



**Labeled device marker**

SS-ZB 17,5 WH CUS - 0824468



SS-ZB 17,5 YE CUS - 0824469



Drawings

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