

# Connector hood - SACB-C-H180-6/12-5.0 PUR SCO - 1516616

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Connector hood. For use in Sensor/actuator box. Connection method: M12-SPEEDCON-socket Metal, Number of slots: 6, Slot assignment: Double, Status indication: No; Master cable connection: Pluggable screw connection 180°, PUR/PVC, Cable length: 5 m, Shielding: No



## Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 183 (PC-2011)
GTIN	 4 017918 967406
Custom tariff number	85444290
Country of origin	GERMANY

## Technical data

### General data

Rated voltage	120 V
Current carrying capacity per I/O signal	2 A
Total rated current	10 A
Number of slots	6
Degree of protection	IP65/IP67/IP69K
Ambient temperature (operation)	-30 °C ... 80 °C
Sensor/actuator connection system	M12-SPEEDCON-socket

### 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

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## Technical data

### Insulation material

Material of the contact carrier on the master cable side	PA
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### Pin assignment

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

### Conductor data

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR
Cable abbreviation	LiYY11Y-HF
UL AWM style	20549
Conductor cross section	12x 0.5 mm <sup>2</sup> (signal line)
Conductor cross section	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)
Core diameter including insulation	2.1 mm ±0.1 mm (power line)
Thickness, insulation	≥ 0.15 mm (Inner sheath)
Thickness, insulation	≥ 0.76 mm (Outer cable sheath)
Overall twist	Wires twisted in layers
External sheath, color	Black RAL 9005
External cable diameter D	9.4 mm ± 0.2 mm
Number of bending cycles	1500000
Bending radius	94 mm
Traversing path	2 m
Traversing rate	2 m/s
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC

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## Technical data

### Conductor data

Conductor material	Bare Cu litz wires
Nominal voltage, conductor	300 V
Test voltage, conductor	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)
Ambient temperature (operation)	-5 °C ... 80 °C (cable, flexible installation)

## Classifications

### ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC001855

### UNSPSC

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501
UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501

### 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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals

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## Approvals

Approvals submitted

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### Approval details

