

# SACB-C-H180-6/12- 5,0PUR - Connector hood



1503098

<https://www.phoenixcontact.com/us/products/1503098>

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Sensor/actuator connector hood, with master cable, marking label, for an SAC box with 6 double-occupied slots

## Commercial data

Item number	1503098
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	AF3CBG
GTIN	4017918821180
Weight per piece (including packing)	837 g
Weight per piece (excluding packing)	837 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Connector hood
Application	Sensor/actuator box
Number of slots	6
LED	no

### Connection data

#### Conductor connection

Sensor/actuator connection system	M12 socket
Connection method	Pluggable screw connection

#### Connection assignment

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

### Signaling

Status display present	no
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### Material specifications

Material Housing	PA
Flammability rating according to UL 94	V0
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA 6.6 V0
Material of contact surface, master cable side	Sn

### Cable/line


Cable length	5 m
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PUR/PVC black [PUR]

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Dimensional drawing	
Cable weight	150.9 kg/km
UL AWM Style	20549
Number of positions	15
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor structure, voltage supply	56x 0.15 mm
AWG power supply	17
Conductor cross section	12x 0.5 mm <sup>2</sup> (Signal line) 3x 1 mm <sup>2</sup> (power line)
Wire diameter incl. insulation	1.5 mm ±0.1 mm (Signal line) 2.1 mm ±0.1 mm (power line)
External cable diameter	9.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, green/yellow, white, green, yellow, gray, pink, red, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown
Thickness, insulation	≥ 0.15 mm (Inner sheath) ≥ 0.76 mm (Outer cable sheath)
Overall twist	Wires twisted in layers
Nominal voltage, cable	300 V
Test voltage	2000 V
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	71 mm
Smallest bending radius, movable installation	94 mm
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 94 mm, Traversing path: 2 m, Traversing rate: 2 m/s
Flame resistance	DIN EN 50265
Resistance to oil	according to VDE 0472 Part 803
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Special properties	Silicone-free

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Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)
	80 °C (in acc. with UL)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °C

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## Classifications

### ECLASS

ECLASS-13.0	27440108
ECLASS-15.0	27440108

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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