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

1453180

https://www.phoenixcontact.com/pc/products/1453180

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Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Plastic, number of slots: 8, slot assignment: single, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 10 m, shielding: no

Commercial Data

Item number	1453180
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	BF3CBG
Catalog Page	Page 263 (C-2-2019)
GTIN	4046356553421
Weight per Piece (including packing)	1,198.6 g
Weight per Piece (excluding packing)	1,151.6 g
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Notes

Assembly instruction:	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

Product properties

Product type	Connector hood with master cable
Application	Sensor/actuator box
Number of slots	8

Electrical properties

Nominal voltage U_N	120 V AC
	120 V DC
Rated current, total	10 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection 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 (+ 120 V) = BN
	1-8 / 3 (0 V) = BU
	1-8 / 5 (PE) = GNYE

LED signaling

Status display present	No
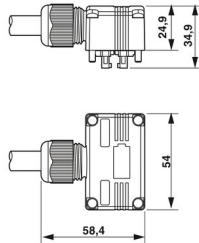
Dimensions

Dimensional drawing	
Width	54 mm
Height	25 mm
Length	34 mm

Material specifications

Color	anthracite
Sealing material	NBR
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	Sn
Housing material	PBT

Cable / line

Cable length	10 m

PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	107.4 kg/km
UL AWM Style	20549 (80°C/300 V)
Number of positions	11
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	8x 0.34 mm² (Signal line)
	3x 0.75 mm² (power line)
Wire diameter incl. insulation	1.3 mm ±0.1 mm (Signal line)
	1.8 mm ±0.1 mm (power line)
External cable diameter	8.5 mm ±0.2 mm

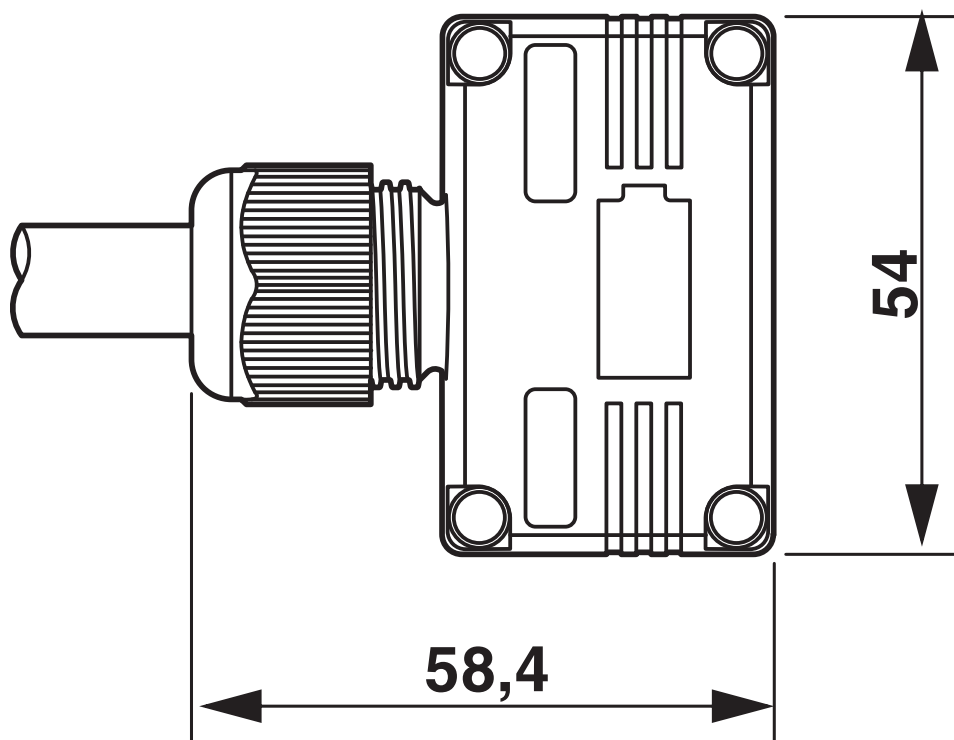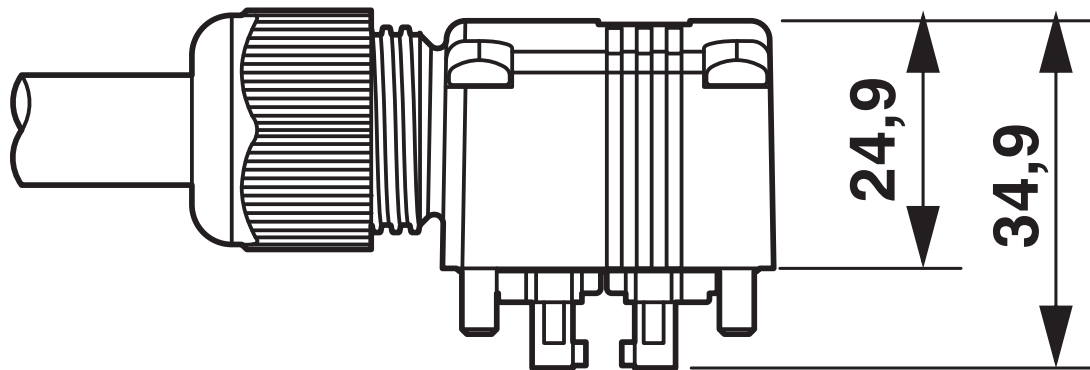| Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, blue, green/yellow, white, green, yellow, gray, pink, red, black, violet
Inner sheath thickness	≥ 0.15 mm
Thickness, outer sheath	≥ 0.38 mm
Overall twist	Wires twisted in layers
Max. conductor resistance	≤ 53 Ω/km (Signal line)
	≤ 26 Ω/km (power line)
Insulation resistance	≥ 5 MΩ*km
Nominal voltage, cable	300 V AC
Test voltage Core/Core	2000 V (50 Hz, 5 min.)
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	10 x D
Max. bending cycles	1500000
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
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

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Drawings

Dimensional drawing

Approvals

cUL Recognized
Approval ID: FILE E 118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

UL Recognized
Approval ID: FILE E 118976

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

EAC
Approval ID: RU C-DE.BL08.B.00286

EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Recognized

Classifications

ECLASS

ECLASS-10.0.1	27440108
ECLASS-9.0	27440108
ECLASS-11.0	27440108

ETIM

ETIM 8.0	EC002585

UNSPSC

UNSPSC 21.0	31251500

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Accessories

Sensor/actuator box header

Sensor/actuator box header - SACB-8/ 8-L-C GG SCO P - 1452903

https://www.phoenixcontact.com/pc/products/1452903

Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, number of slots: 8, number of positions: 4, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: Pluggable screw connection, shielding: no

Master cable ring

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

https://www.phoenixcontact.com/pc/products/1503344

Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.34 mm^2 and 3 x 0.75 mm^2

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Screwdriver

Screwdriver - SZK PZ2 VDE - 1206463

https://www.phoenixcontact.com/pc/products/1206463

Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

Torque screwdriver

Torque screwdriver - TSD 25 SAC - 1212315

https://www.phoenixcontact.com/pc/products/1212315

Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

Torque screwdriver

Torque screwdriver - TSD-M 1,2NM - 1212224

https://www.phoenixcontact.com/pc/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Torque screwdriver

Torque screwdriver - TSD-M 3NM - 1212225

https://www.phoenixcontact.com/pc/products/1212225

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

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Tool

Tool - SAC BIT HOOD-W 24 - 1212486

https://www.phoenixcontact.com/pc/products/1212486

Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

Adapter insert

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

https://www.phoenixcontact.com/pc/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Screw insert

Screw insert - SF-BIT-PZ 2-50 - 1212592

https://www.phoenixcontact.com/pc/products/1212592

Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 2 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Snap-in markers

Snap-in markers - UC-EM (17,5X9) - 0827490

https://www.phoenixcontact.com/pc/products/0827490

Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID, BLUEMARK ID COLOR, BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

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Snap-in markers

Snap-in markers - UC-EM (17,5X9) CUS - 0828238

https://www.phoenixcontact.com/pc/products/0828238

Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers

Snap-in markers - UCT-EM (17,5X9) - 0801491

https://www.phoenixcontact.com/pc/products/0801491

Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

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Snap-in markers

Snap-in markers - UCT-EM (17,5X9) CUS - 0801575

https://www.phoenixcontact.com/pc/products/0801575

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications
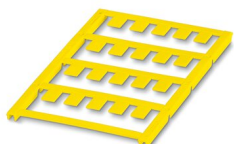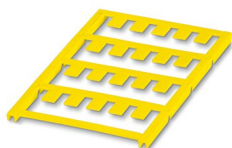
Snap-in markers

Snap-in markers - UC-EM (17,5X9) YE - 0827494

https://www.phoenixcontact.com/pc/products/0827494

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers

Snap-in markers - UC-EM (17,5X9) YE CUS - 0828239

https://www.phoenixcontact.com/pc/products/0828239

Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm, Number of individual labels: 20

Snap-in markers

Snap-in markers - UCT-EM (17,5X9) YE - 0801492

https://www.phoenixcontact.com/pc/products/0801492

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 17.5 x 9 mm, Number of individual labels: 24

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Snap-in markers

Snap-in markers - UCT-EM (17,5X9) YE CUS - 0801576

https://www.phoenixcontact.com/pc/products/0801576

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications