

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



1516551

<https://www.phoenixcontact.com/pc/products/1516551>

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Connector hood, application: Sensor/actuator box, connection method: M12-SPEEDCON-socket Metal, number of slots: 6, slot assignment: single, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 5 m, shielding: no

Commercial Data

Item number	1516551
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	BF3CCG
Catalog Page	Page 265 (C-2-2019)
GTIN	4017918967345
Weight per Piece (including packing)	565.7 g
Weight per Piece (excluding packing)	554.4 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	6

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
	1-6 / 1 (+ 120 V) = BN
	1-6 / 3 (0 V) = BU
1-6 / 5 (PE) = GNYE	

LED signaling

Status display present	No
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Dimensions

Width	58 mm
Height	21 mm
Length	34 mm

Material specifications

Color	green
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA

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Material of contact surface, master cable side	gold-plated
Housing material	PBT

Cable / line

Cable length	5 m
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PUR/PVC black [PUR]

Dimensional drawing	
Cable weight	96.6 kg/km
UL AWM Style	20549
Number of positions	9
Shielded	no
Cable type	PUR/PVC black [PUR]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	6x 0.34 mm ² (Signal line) 3x 0.75 mm ² (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 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
Thickness, insulation	≥ 0.15 mm (Inner sheath) ≥ 0.38 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
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

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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
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C

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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.00511				
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cULus Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002585
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UNSPSC

UNSPSC 21.0	31251500
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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"

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Accessories

Sensor/actuator box header

Sensor/actuator box header - SACB-6/ 6-L-C GG SCO - 1516742

<https://www.phoenixcontact.com/pc/products/1516742>



Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 6, 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- 6X0,34/ 3X0,75-50,0 PUR - 1503331

<https://www.phoenixcontact.com/pc/products/1503331>



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 9-pos., 6 x 0.34 mm² and 3 x 0.75 mm²

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Screwdriver

Screwdriver - SZK PZ1 VDE - 1206450

<https://www.phoenixcontact.com/pc/products/1206450>



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 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

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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 1-50 - 1212591

<https://www.phoenixcontact.com/pc/products/1212591>



Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 1 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

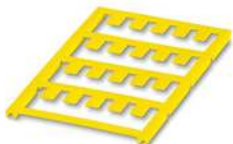


Snap-in markers

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



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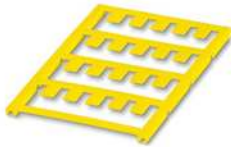
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Snap-in markers

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



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