

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

<https://www.phoenixcontact.com/in/products/1224387>

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Connector hood, application: Sensor/actuator box, number of slots: 8, slot assignment: single, status display: No; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 20 m, shielding: no

Commercial data

Item number	1224387
Packing unit	1 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	AF3CCG
GTIN	4063151315450
Weight per piece (including packing)	2,333 g
Weight per piece (excluding packing)	2,200 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Notes

Assembly note

NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Connector hood
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

Conductor connection

Connection method	Pluggable screw connection
Tightening torque, cover screw	0.35 Nm

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

Signaling

Status display present	No
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Dimensions

Width	58 mm
Height	21 mm

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

<https://www.phoenixcontact.com/in/products/1224387>

Length	34 mm
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Material specifications

Material Housing	PBT
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	gold-plated

Cable/line

Cable length	20 m
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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 structure, voltage supply	42x 0.15 mm
AWG power supply	18
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	8.50 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)

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

<https://www.phoenixcontact.com/in/products/1224387>

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
Smallest bending radius, fixed installation	64 mm
Smallest bending radius, movable installation	85 mm
Dynamic load capacity (bending)	Max. bending cycles: 1500000, Bending radius: 10 x D, 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
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
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

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Classifications

ECLASS

ECLASS-11.0	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108

ETIM

ETIM 9.0	EC002585
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UNSPSC

UNSPSC 21.0	31251500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

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Accessories

SACB-8/ 8-L-C GG SCO - Distributor box header

1516768

<https://www.phoenixcontact.com/in/products/1516768>



Distributor box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 8, number of positions: 4, coding: A, slot assignment: single, status display: Yes, PNP; master cable connection: Pluggable screw connection, shielding: no

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

1503344

<https://www.phoenixcontact.com/in/products/1503344>



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.34 mm² and 3 x 0.75 mm²

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



1224387

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

0827490

<https://www.phoenixcontact.com/in/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: latching, Number of individual labels: 20, text field height: 9 mm, text field width: 17.5 mm

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

0828238

<https://www.phoenixcontact.com/in/products/0828238>



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

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



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

0801491

<https://www.phoenixcontact.com/in/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: latching, Number of individual labels: 24, text field height: 9 mm, text field width: 17.5 mm

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

0801575

<https://www.phoenixcontact.com/in/products/0801575>



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

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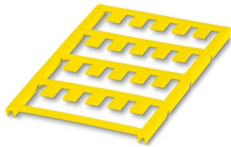
1224387

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

0827494

<https://www.phoenixcontact.com/in/products/0827494>

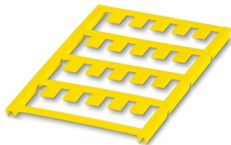


Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: latching, Number of individual labels: 20, text field height: 9 mm, text field width: 17.5 mm

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

0828239

<https://www.phoenixcontact.com/in/products/0828239>



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

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



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

0801492

<https://www.phoenixcontact.com/in/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: latching, Number of individual labels: 24, text field height: 9 mm, text field width: 17.5 mm

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

0801576

<https://www.phoenixcontact.com/in/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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1224387

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SZK PZ1 VDE - Screwdriver

1206450

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



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

TSD 25 SAC - Torque screwdriver

1212315

<https://www.phoenixcontact.com/in/products/1212315>



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

SACB-C-H180-8/ 8-20,0PUR SCO - Connector hood



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TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/in/products/1212224>



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

TSD-M 3NM - Torque screwdriver

1212225

<https://www.phoenixcontact.com/in/products/1212225>



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

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SAC BIT HOOD-W 24 - Tool

1212486

<https://www.phoenixcontact.com/in/products/1212486>

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



TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

<https://www.phoenixcontact.com/in/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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SF-BIT-PZ 1-50 - Screw insert

1212591

<https://www.phoenixcontact.com/in/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

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