

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Connector hood with integrated connector with screw connection, for sensor/actuator boxes with M12 metal thread or QUICKON connection and master cable connection, for 4, 6, or 8 slots

Similar figure



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918967444
Weight per Piece (excluding packing)	55.800 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Rated voltage	120 V AC
	120 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	10 A
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12-SPEEDCON-socket
Note	For details about the PCB connectors used, refer to the technical data for MC 1,5/10-STF-3,5 (1847204)
	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Technical data

General

	are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
--	---

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation)	-30 °C ... 80 °C

Master cable data/connection data

Connection method	Pluggable screw connection
Conductor cross section min. (signal)	0.14 mm ²
Conductor cross section max. (signal)	1.5 mm ²
Conductor cross section AWG min. (signal)	26
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	7 mm
Conductor cross section min. (energy)	0.14 mm ²
Conductor cross section max. (energy)	1.5 mm ²
Conductor cross section AWG min. (energy)	26
Conductor cross section AWG max. (energy)	16
External cable diameter min.	7 mm
External cable diameter max.	12 mm
Stripping length	50 mm (Master cable)
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
Material of the contact carrier on the master cable side	PA
Sealing material	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4 = WH
	1 / 2 (B) = 1 / 2 = GY/PK
	2 / 4 (A) = 2 / 4 = GN
	2 / 2 (B) = 2 / 2 = RD/BU
	3 / 4 (A) = 3 / 4 = YE
	3 / 2 (B) = 3 / 2 = WH/GN

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Technical data

Pin assignment

	4 / 4 (A) = 4 / 4 = GY
	4 / 2 (B) = 4 / 2 = BN/GN
	5 / 4 (A) = 5 / 4 = PK
	5 / 2 (B) = 5 / 2 = WH/YE
	6 / 4 (A) = 6 / 4 = RD
	6 / 2 (B) = 6 / 2 = YE/BN
	7 / 4 (A) = 7 / 4 = BK
	7 / 2 (B) = 7 / 2 = WH/GY
	8 / 4 (A) = 8 / 4 = VT
	8 / 2 (B) = 8 / 2 = GY/BN
	1-8 / 1 (+ 120 V) = U _N = BN
	1-8 / 3 (0 V) = 0 V = BU
	1-8 / 5 (PE) = PE = GN/YE

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27440111
eCl@ss 11.0	27440111
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27250300
eCl@ss 6.0	27279200
eCl@ss 7.0	27279219
eCl@ss 9.0	27440108

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Classifications

ETIM

ETIM 4.0	EC002585
ETIM 6.0	EC002585
ETIM 7.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501
UNSPSC 20.0	31251501
UNSPSC 21.0	31251501

Approvals


Approvals


Approvals


UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
---------------	---	---	---------------

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
----------------	---	---	---------------

EAC		EAC-Zulassung
-----	---	---------------

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Approvals



Accessories

Accessories

Cable by the meter

Master cable ring - SACB- 4X0,34/ 3X0,75-50,0 PUR - 1503328



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 7-pos., 4 x 0.34 mm² and 3 x 0.75 mm²

Master cable ring - SACB- 8X0,5/ 3X1,0-50,0 PUR - 1503357



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Master cable ring - SACB-8X0,5/3X1,0-50,0 HPUR - 1401690



Master cable ring, application: Distributor boxes, number of positions: 11, cable length: 50 m

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Accessories

Master cable ring - SACB- 6X0,34/ 3X0,75-50,0 PUR - 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

Master cable ring - SACB-12X0,5/ 3X1,0-50,0 PUR - 1503360



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 15-pos., 12 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

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

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 PUR - 1503373



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Master cable ring - SACB-16X0,5/ 3X1,0-200,0 PUR - 1559893



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 200 m on drum

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Accessories

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 VPUR - 1430938



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm² and 3 x 1.00 mm², length: 50 m

Master cable ring - SACB-16X0,5/ 3X1,0-50,0 80MC - 1402304



Master cable for sensor/actuator boxes, 19-wire, unshielded, PUR halogen-free, drag chain and robot compatible, black outer sheath, 16 x 0.5 mm² and 3 x 1.0 mm²

Header with metric measurement slots

Sensor/actuator box header - SACB-4/ 4-L-C GG SCO - 1516726



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

Sensor/actuator box header - SACB-4/ 8-L-C GG SCO - 1516739



Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 4, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Pluggable screw connection, shielding: no

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

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Accessories

Sensor/actuator box header - SACB-6/12-L-C GG SCO - 1516755



Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 6, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Pluggable screw connection, shielding: no

Sensor/actuator box header - SACB-8/ 8-L-C GG SCO - 1516768



Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, 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

Sensor/actuator box header - SACB-8/16-L-C GG SCO - 1516771



Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 8, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Pluggable screw connection, shielding: no

Screwdriver tools

Philips screwdriver - SZK PZ1 VDE - 1206450



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

Tool - SAC BIT HOOD-W 24 - 1212486



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

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Accessories

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



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

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Screwdriver - SF-BIT-SL 0,45X2,4-70 - 1212607



Screw bit, slotted, E6.3-1/4" drive, size: 0.45 x 2.4 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Screwdriver - SF-M BH - 1212070



Bit screwdriver, with 1/4" quick-action chuck, handle length 119 mm, 2-component handle, with non-slip grip, suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic

Torque tool

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



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

Connector hood - SACB-C-H180 8/16 SCO - 1516713

Accessories

Torque screwdriver - TSD 25 SAC - 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 - TSD-M 3NM - 1212225



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