PHŒNIX CONTACT

Connector hood - SACB-C-H180-8/16 SCO P - 1453229

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Connector hood with integrated connector, for M12 sensor/actuator boxes with SPEEDCON plastic thread and plug-in screw connection, for 4, 6 or 8 slots

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 553452
GTIN	4046356553452
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Rated voltage	120 V
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	4 A
Total rated current	10 A
Number of slots	8
Sensor/actuator connection system	M12-SPEEDCON-socket

Ambient conditions

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

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Technical data

Master cable data/connection data

Connection method	Pluggable screw connection
Conductor cross section min. (signal)	0.14 mm²
Conductor cross section max. (signal)	1.5 mm²
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 mm²
Conductor cross section max. (energy)	1.5 mm²
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	1 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	Sn
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
	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

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Pin assignment

	8 / 4 (A) = 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

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108

ETIM

ETIM 4.0	EC002585
ETIM 5.0	EC002585
ETIM 6.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501

Approvals

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Approvals

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UL Recognized / cUL Recognized / 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
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

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

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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

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

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Accessories

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

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

Device marking

Contactor marker – zack marker strip - SS-ZB 17,5 WH - 0804963

Contactor marker – zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into flat marker groove, lettering field size: 17.5 x 9 mm

Contactor marker – zack marker strip - SS-ZB 17,5 YE - 0804976

Contactor marker – zack marker strip, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: snap into flat marker groove, lettering field size: 17.5 x 9 mm

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Accessories

Header with metric measurement slots

Sensor/actuator box header - SACB-4/ 4-L-C GG SCO P - 1452864

Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, 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 P - 1452877

Sensor/actuator box header, application: Standard, connection method: M12-SPEEDCON-socket Plastic, 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 P - 1452880

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

Sensor/actuator box header - SACB-6/12-L-C GG SCO P - 1452893

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

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Accessories

Sensor/actuator box header - SACB-8/16-L-C GG SCO P - 1452916

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

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Labeled device marker

Contactor marker – zack marker strip - SS-ZB 17,5 WH CUS - 0824468

Contactor marker – zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 17.5 mm, lettering field size: 17.5 x 9 mm

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Contactor marker – zack marker strip - SS-ZB 17,5 YE CUS - 0824469

Contactor marker – zack marker strip, can be ordered: Strip, yellow, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 17.5 mm, lettering field size: 17.5 x 9 mm

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Screwdriver tools

Philips screwdriver - SZK PZ2 VDE - 1206463

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

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Tool - SAC BIT HOOD-W 24 - 1212486

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

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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

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

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