PHŒNIX CONTACT

Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

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Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: Spring-cage conn. 180°, Shielding: No

Figure shows version with diagnostic and status indicator

Product Features

- ☑ Safety in the field, thanks to molded housing and high degree of protection
- ☑ Flexible, distributed bundling of signals in one master cable
- ☑ Save space: distributor box with double occupancy for two sensors in one slot
- ☑ Save time, thanks to installation with SPEEDCON fast locking system
- ☑ Flexible: distributor box with connector hood for on-site assembly

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	160.0 GRM
Custom tariff number	85444290
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	12 A
Number of positions	5
Number of slots	4
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M12-SPEEDCON-socket

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Technical data

Ambient conditions

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

Master cable data/connection data

Connection method	Spring-cage conn.
Conductor cross section min. (signal)	0.2 mm²
Conductor cross section max. (signal)	0.5 mm²
Conductor cross section AWG min. (signal)	24
Conductor cross section AWG max. (signal)	20
Stripping length (signal)	6 mm
Conductor cross section min. (energy)	0.2 mm²
Conductor cross section max. (energy)	1.5 mm²
Conductor cross section AWG min. (energy)	24
Conductor cross section AWG max. (energy)	16
Stripping length (power)	10 mm
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
Tightening torque slot sensor/actuator cable	0.4 Nm

Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	Cu alloy
Contact surface material	Gold-plated
Contact carrier material	PA
Material of threaded sleeve	PBT
Material, O-ring	NBR
Sealing material	NBR (Connector hood)

Pin assignment

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

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Technical data

Pin assignment

	3 / 2 (B) = WH/GN
	4 / 4 (A) = GY
	4 / 2 (B) = BN/GN
	1-4 / 1 (+ 120 V) = BN
	1-4 / 3 (0 V) = BU
	1-4 / 5 (PE) = GN/YE

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	27449001

ETIM

ETIM 4.0	EC002585
ETIM 5.0	EC002585

UNSPSC

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

Approvals

Approvals

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UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized

Nominal voltage UN	120 V

cUL Recognized c

Nominal voltage UN	120 V

GOST

cULus Recognized c us

Accessories

Accessories

Cable by the meter

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

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Accessories

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

Master cable ring, For use in Distributor boxes, Number of positions: 11, Cable length: 50 m

Connector

Ferrule - A 0,5 - 6 - 3200218

Ferrule, Length: 6 mm, Color: silver

Ferrule - A 0,75-10 - 3200234

Ferrule, Length: 10 mm, Color: silver

Ferrule - A 1 -10 - 3200250

Ferrule, Length: 10 mm, Color: silver

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: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

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Accessories

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

Contactor marker – zack marker strip, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

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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, Lettering field: 17.5 x 8 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, Lettering field: 17.5 x 8 mm

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Protective cap

Screw plug - PROT-MS SCO - 1553129

M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors

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Screwdriver tools

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Accessories

Tool - SACC BIT M12-D20 - 1208445

Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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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

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Screwdriver - SZS 0,4X2,0 - 1205202

Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

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Torque tool

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Accessories

Torque screwdriver - TSD 04 SAC - 1208429

Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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

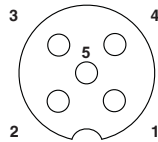Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm
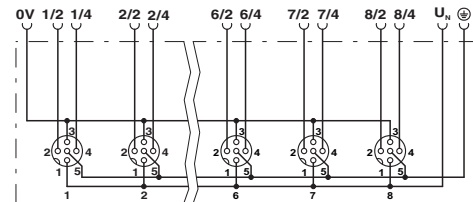
Drawings

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Schematic diagram

M12 slot, socket, 5-pos.

Circuit diagram

Dimensioned drawing

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