

Sensor/actuator box - SACB-8/ 8-L-SC SCO P - 1453025

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Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 8, Number of positions: 4, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Spring-cage connection 180°, Shielding: No

Why buy this product

- ✓ Safety in the field, thanks to molded housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics
- ✓ 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 pc |
| GTIN |  4 046356 553643 |
| Weight per Piece (excluding packing) | 222.22 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

General

| | |
|--|---------------------|
| Rated voltage | 24 V DC |
| Max. operating voltage U_{max} | 30 V DC |
| Current carrying capacity per I/O signal | 2 A |
| Current carrying capacity per slot | 4 A |
| Total rated current | 12 A |
| Number of positions | 4 |
| Number of slots | 8 |
| Inflammability class according to UL 94 | V0 |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

Ambient conditions

Sensor/actuator box - SACB-8/ 8-L-SC SCO P - 1453025

Technical data

Ambient conditions

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

Local diagnostics function

| | |
|-------------------|-------------------------------|
| Local diagnostics | Supply voltage Green LED |
| | Status display I/O Yellow LED |

Master cable data/connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| Conductor cross section min. (signal) | 0.2 mm ² |
| Conductor cross section max. (signal) | 0.5 mm ² |
| 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 mm ² |
| Conductor cross section max. (energy) | 1.5 mm ² |
| 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 |
| Tightening torque of mounting screw for fixing the housing | 0.5 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 |
| | 2 / 4 (A) = GN |
| | 3 / 4 (A) = YE |
| | 4 / 4 (A) = GY |

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Pin assignment

| | |
|--|-----------------------|
| | 5 / 4 (A) = PK |
| | 6 / 4 (A) = RD |
| | 7 / 4 (A) = BK |
| | 8 / 4 (A) = VT |
| | 1-4 / 1 (+ 24 V) = BN |
| | 1-8 / 3 (0 V) = BU |
| | 1-8 / 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

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Sensor/actuator box - SACB-8/ 8-L-SC SCO P - 1453025

Approvals

Approvals submitted

Approval details

| | |
|--------------------|------|
| UL Recognized | |
| Nominal voltage UN | 24 V |

| | |
|--------------------|------|
| cUL Recognized | |
| Nominal voltage UN | 24 V |

| | |
|------|--|
| GOST | |
|------|--|

| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Accessories

Accessories

Cable by the meter

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

Connector

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Accessories

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

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



Contact 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

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



Contact 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

Labeled device marker

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Accessories

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

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

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

Screwdriver tools

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

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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Accessories

Tool - SAC BIT HOOD-W 24 - 1212486



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

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 0,4X2,0 - 1205202



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

Torque tool

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

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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

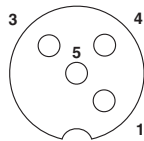
Torque screwdriver - TSD-M 3NM - 1212225



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

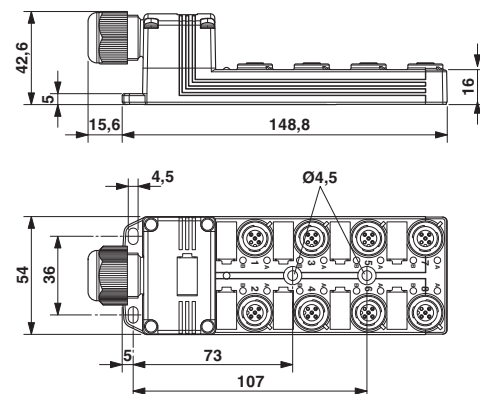
Drawings

Schematic diagram



M12 slot, socket, 4-pos.

Dimensioned drawing



Circuit diagram

