

Sensor/actuator box - SACB-4/ 8-L-C SCO P - 1452819

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Sensor/actuator box, Application: Standard, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection 180°, Shielding: No

Product Features

- ✓ 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 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 pc |
| Weight per Piece (excluding packing) | 180.0 GRM |
| 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 | 10 A |
| Number of positions | 5 |
| Number of slots | 4 |
| Inflammability class according to UL 94 | V0 |

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Technical data

General

| | |
|-----------------------------------|---------------------|
| Sensor/actuator connection system | M12-SPEEDCON-socket |
|-----------------------------------|---------------------|

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 | 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 |
| Stripping length (power) | 7 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 contact, master cable side | CU alloy |
| Material of contact surface, master cable side | Sn |

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Insulation material

| | |
|--|----------------------|
| Material of the contact carrier on the master cable side | 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 |
| | 3 / 2 (B) = WH/GN |
| | 4 / 4 (A) = GY |
| | 4 / 2 (B) = BN/GN |
| | 1-4 / 1 (+ 24 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 | 27279219 |
| eCl@ss 7.0 | 27279219 |
| eCl@ss 8.0 | 27279219 |

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 |

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 31261501 |
|-------------|----------|

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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

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

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

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

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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

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

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 9 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 9 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 9 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 9 mm

Mounting rail adapter

Assembly adapters - UTA 107 - 2853983

Universal DIN rail adapter



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

Sensor/actuator box - SACB-4/ 8-L-C SCO P - 1452819

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

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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

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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Accessories

Screw insert - SF-BIT-PZ 2-50 - 1212592



Screw bit, PZ crosshead, E6.3-1/4" drive, size: PZ 2 x 50 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

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

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

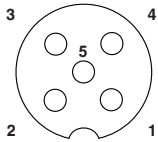


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

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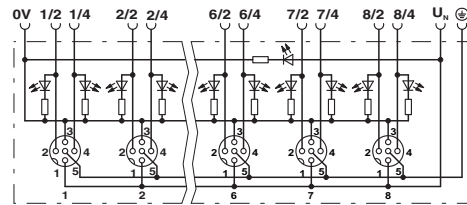
Drawings

Schematic diagram



M12 slot, socket, 5-pos.

Circuit diagram



Dimensioned drawing

