

## Sensor/actuator box - SACB- 4/3-L-SC-M8 - 1503386

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Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 4, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: Spring-cage conn. 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
- ✓ Flexible: distributor box with connector hood for on-site assembly



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 PCE                                                                                                   |
| GTIN                                 | <br>4 017918 966942 |
| Weight per Piece (excluding packing) | 133.2 GRM                                                                                               |
| Custom tariff number                 | 85444290                                                                                                |
| 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       | 2 A     |
| Total rated current                      | 6 A     |
| Number of positions                      | 3       |
| Number of slots                          | 4       |
| Inflammability class according to UL 94  | V0      |

# Sensor/actuator box - SACB- 4/3-L-SC-M8 - 1503386

## Technical data

### General

|                                   |           |
|-----------------------------------|-----------|
| Sensor/actuator connection system | M8 socket |
|-----------------------------------|-----------|

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
|                                 | IP67             |
| Ambient temperature (operation) | -30 °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 conn.    |
| Conductor cross section min. (signal)        | 0.14 mm <sup>2</sup> |
| Conductor cross section max. (signal)        | 1 mm <sup>2</sup>    |
| Conductor cross section AWG min. (signal)    | 26                   |
| Conductor cross section AWG max. (signal)    | 17                   |
| Stripping length (signal)                    | 10 mm                |
| Conductor cross section min. (energy)        | 0.2 mm <sup>2</sup>  |
| Conductor cross section max. (energy)        | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min. (energy)    | 26                   |
| Conductor cross section AWG max. (energy)    | 16                   |
| External cable diameter min.                 | 7 mm                 |
| External cable diameter max.                 | 11 mm                |
| Stripping length                             | 70 mm (Master cable) |
| Tightening torque, cover screw               | 1 Nm                 |
| Tightening torque, union nut                 | 2.5 Nm               |
| Tightening torque slot sensor/actuator cable | 0.2 Nm               |

### Insulation material

|                                                          |          |
|----------------------------------------------------------|----------|
| Housing material                                         | PBT      |
| Material of the moulding mass                            | PUR      |
| Contact material                                         | CuSn     |
| Contact surface material                                 | Ni/Au    |
| Contact carrier material                                 | PA       |
| Material of contact, master cable side                   | CuZn     |
| Material of contact surface, master cable side           | NiSn     |
| Material of the contact carrier on the master cable side | PA 66 V0 |
| Material of threaded sleeve                              | Cu alloy |

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## Technical data

### Insulation material

|                                     |               |
|-------------------------------------|---------------|
| Material of threaded sleeve surface | Nickel-plated |
| Material, O-ring                    | NBR           |

### Pin assignment

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1 / 4                 |
|                                          | 2 / 4 (A) = 2 / 4                 |
|                                          | 3 / 4 (A) = 3 / 4                 |
|                                          | 4 / 4 (A) = 4 / 4                 |
|                                          | 1-4 / 1 (+ 24 V) = U <sub>N</sub> |
|                                          | 1-4 / 3 (0 V) = 0 V               |

## 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 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| 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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## 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  |  |
|------------------------------------------------------------------------------------------------------|--|

## Accessories

Accessories

Cable by the meter

## Sensor/actuator box - SACB- 4/3-L-SC-M8 - 1503386

### Accessories

Master cable ring - SACB- 4X0,34/2X0,75-50 PUR - 1517576



Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 6-pos., 4 x 0.34 mm<sup>2</sup> and 2 x 0.75 mm<sup>2</sup>, length: 50 m

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### Labeled terminal marker

Zack Marker strip, flat - ZBF10 CUS - 0825031



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

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### Protective cap

Screw plug - PROT-M8 - 1682540



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

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### Screwdriver tools

Tool - SAC BIT M8-D10 - 1208461



Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

## Sensor/actuator box - SACB- 4/3-L-SC-M8 - 1503386

### Accessories

Tool - SACC BIT M8-D12 - 1208474



Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 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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### Terminal marking

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

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### Torque tool

Torque screwdriver - TSD 02 SAC - 1208487



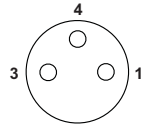
Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

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### Drawings

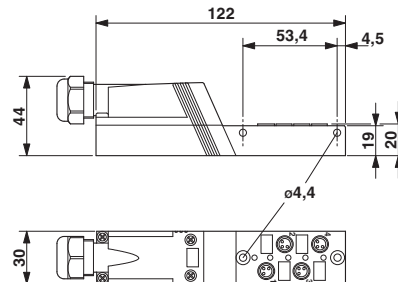
## Sensor/actuator box - SACB- 4/3-L-SC-M8 - 1503386

Schematic diagram

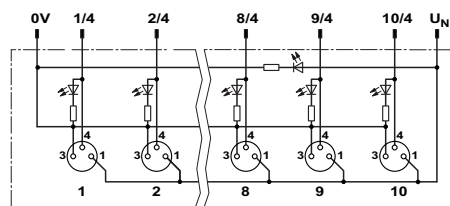


M8 slot, socket, 3-pos.

Dimensioned drawing



Circuit diagram



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