

## Sensor/actuator box - SACB- 4/3-L-M12-M8 - 1516234

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Sensor/actuator box, application: Standard, connection method: M8 socket Metal, number of slots: 4, number of positions: 3, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: M12 plug connection 90°, 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

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 017918 967161 |
| GTIN         | 4017918967161   |

### 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                      | 4 A       |
| Number of positions                      | 3         |
| Number of slots                          | 4         |
| Flammability rating according to UL 94   | V0        |
| Sensor/actuator connection system        | M8 socket |

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
|                                 | IP67             |
| Ambient temperature (operation) | -30 °C ... 80 °C |

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## Technical data

### Local diagnostics function

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

### Master cable data/connection data

|  |                     |
|--|---------------------|
| Connection method                                  | M12 plug connection |
| Tightening torque - master cable - plug connection | 0.4 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         | CU alloy      |
| Material of contact surface, master cable side | Gold-plated   |
| Material of threaded sleeve                    | Cu alloy      |
| Material of threaded sleeve surface            | Nickel-plated |
| O-ring material                                | NBR           |

### Pin assignment

|  |                      |
|--|----------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1        |
|  | 2 / 4 (A) = 2        |
|  | 3 / 4 (A) = 3        |
|  | 4 / 4 (A) = 4        |
|  | 1-4 / 1 (+ 24 V) = 5 |
|  | 1-4 / 3 (0 V) = 7    |

### Standards and Regulations

|  |                 |
|--|-----------------|
| Standard designation                   | M12 connector   |
| Standards/regulations                  | IEC 61076-2-101 |
| Standard designation                   | M8 connector    |
| Standards/regulations                  | IEC 61076-2-104 |
| Connection in acc. with standard       | CUL             |
| Flammability rating according to UL 94 | V0              |

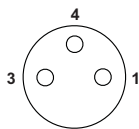
### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

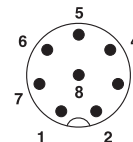
# Sensor/actuator box - SACB- 4/3-L-M12-M8 - 1516234

Schematic diagram



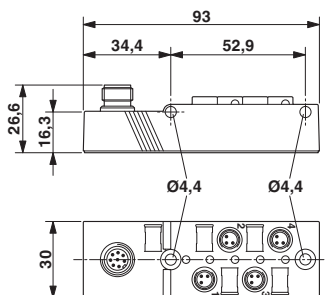
Pin assignment M8 socket, 3-pos.

Schematic diagram

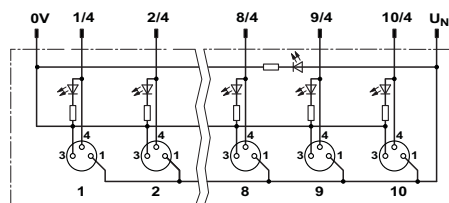


Connector pin assignment for M12 plug-in connection, 8-pos.

Dimensional drawing



Circuit diagram



Further information can be found in the connection assignment section

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

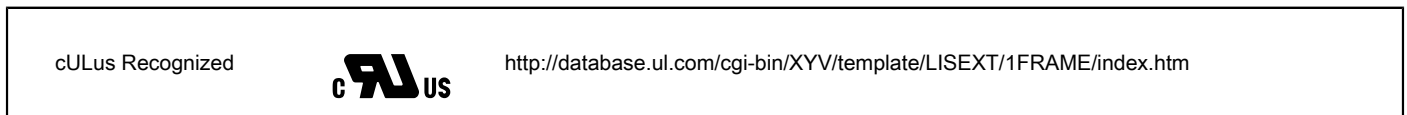
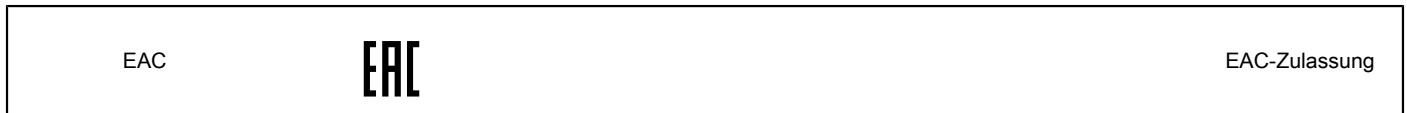
### Approval details

|                    |      |   |               |
|--------------------|------|---|---------------|
| UL Recognized      |      | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
| Nominal voltage UN | 24 V |   |               |

|                    |      |   |               |
|--------------------|------|---|---------------|
| cUL Recognized     |      | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
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