

Sensor/actuator box - SACB-8/ 8-L-SC - 1671247

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Sensor/actuator box, connection method: M12 socket Plastic, number of slots: 8, number of positions: 4, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: Spring-cage connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to robust 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 pc |
| GTIN |  4 017918 135096 |
| GTIN | 4017918135096 |
| Sales Key | 02 |

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 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M12 socket |

Ambient conditions

| | |
|----------------------|------|
| Degree of protection | IP65 |
|----------------------|------|

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Ambient conditions

| | |
|---------------------------------|------------------|
| | IP67 |
| Ambient temperature (operation) | -25 °C ... 75 °C |

Local diagnostics function

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

Master cable data/connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| Conductor cross section min. (signal) | 0.14 mm ² |
| Conductor cross section max. (signal) | 1 mm ² |
| 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 ² |
| Conductor cross section max. (energy) | 1.5 mm ² |
| Conductor cross section AWG min. (energy) | 24 |
| Conductor cross section AWG max. (energy) | 16 |
| External cable diameter min. | 6.5 mm |
| External cable diameter max. | 9.5 mm |
| Tightening torque, union nut | 2.5 Nm |
| Tightening torque slot sensor/actuator cable | 0.4 Nm |

Insulation material

| | |
|--|-----------|
| Housing material | PA |
| 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 6.6 V0 |
| Material of threaded sleeve | PA |
| O-ring material | 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 |
| | 5 / 4 (A) = 5 / 4 |
| | 6 / 4 (A) = 6 / 4 |
| | 7 / 4 (A) = 7 / 4 |
| | 8 / 4 (A) = 8 / 4 |

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Pin assignment

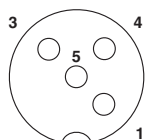
| | |
|--|-----------------------------------|
| | 1-8 / 1 (+ 24 V) = U _N |
| | 1-8 / 3 (0 V) = 0 V |
| | 1-8 / 5 (PE) = PE |

Standards and Regulations

| | |
|--|-----|
| Connection in acc. with standard | CUL |
| Flammability rating according to UL 94 | V0 |

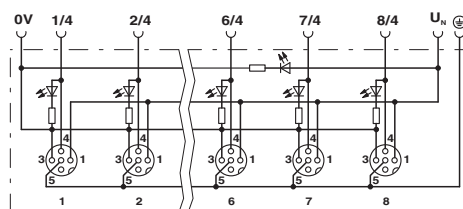
Drawings

Schematic diagram



M12 slot, socket, 4-pos.

Circuit diagram



Mouser Electronics

Authorized Distributor

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