

Sensor/actuator box - SACB- 8/3-L-SC-M8 - 1511747

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 3, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: Spring-cage 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
- Flexible: distributor box with connector hood for on-site assembly



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 966973 |
| Weight per Piece (excluding packing) | 181.3 g |
| 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 | 8 |
| Flammability rating according to UL 94 | V0 |

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

Standards and Regulations

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

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 | 27279219 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000200 |
| ETIM 3.0 | EC001856 |
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

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Classifications

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 / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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

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

| |
|-----|
| EAC |
|-----|

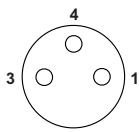
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Approvals



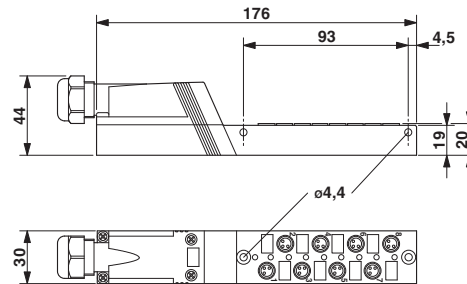
Drawings

Schematic diagram



M8 slot, socket, 3-pos.

Dimensional drawing



Circuit diagram

