



Automatización Eléctrica
Especialistas en Automatización

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Sensor/actuator box - SACB-8/16-L-C SCO P - 1452851

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Sensor/actuator box, Application: Standard, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 8, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Pluggable screw connection 180°, 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
- 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 STK |
| GTIN |  4 046356 553711 |

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 | 8 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

Ambient conditions

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

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Technical data

Ambient conditions

| | |
|---------------------------------|------------------|
| | 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 |
| Material of the contact carrier on the master cable side | PA |
| Material of threaded sleeve | PBT |
| O-ring material | NBR |
| Sealing material | NBR (Connector hood) |

Pin assignment

| | |
|--|-------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH |
| | 1 / 2 (B) = GY/PK |

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Pin assignment

| | |
|--|-----------------------|
| | 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 |
| | 5 / 4 (A) = PK |
| | 5 / 2 (B) = WH/YE |
| | 6 / 4 (A) = RD |
| | 6 / 2 (B) = YE/BN |
| | 7 / 4 (A) = BK |
| | 7 / 2 (B) = WH/GY |
| | 8 / 4 (A) = VT |
| | 8 / 2 (B) = GY/BN |
| | 1-4 / 1 (+ 24 V) = BN |
| | 1-8 / 3 (0 V) = BU |
| | 1-8 / 5 (PE) = GN/YE |

Standards and Regulations

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27250313 |
| eCl@ss 5.1 | 27250314 |
| 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 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| 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 |

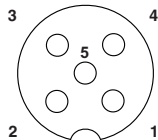
| |
|-----|
| EAC |
|-----|

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

Drawings

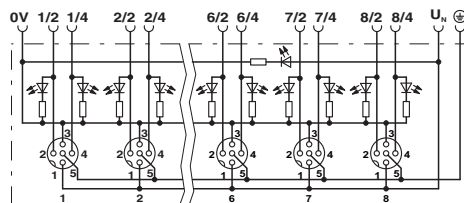
Sensor/actuator box - SACB-8/16-L-C SCO P - 1452851

Schematic diagram

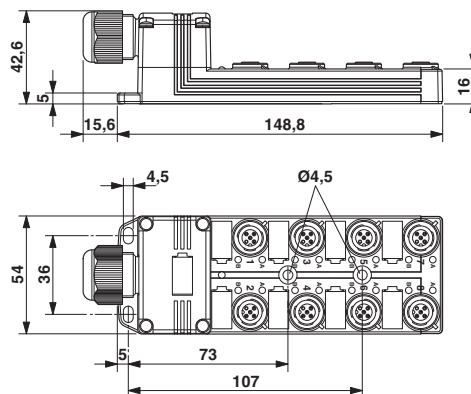


M12 slot, socket, 5-pos.

Circuit diagram



Dimensional drawing



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