# Sensor/actuator box - SACB-4/ 8-L-PT SCO P - 1412058

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Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Push-in-/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
- 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 pc |
| Custom tariff number | 85366990 |
| 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 | 4 A |
| Total rated current | 8 A (Higher ratings can be achieved with different configurations) |
| Number of positions | 5 |
| Number of slots | 4 |
| Flammability rating according to UL 94 | V0 |
| Sensor/actuator connection system | M12-SPEEDCON-socket |

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## Technical data

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP65 |
| | 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 connection data

| | |
|---|---|
| Connection method | Push-in-/Spring-cage connection |
| Conductor cross section min. (signal) | 0.2 mm² |
| Conductor cross section max. (signal) | 1 mm² |
| Conductor cross section AWG min. (signal) | 24 |
| Conductor cross section AWG max. (signal) | 16 |
| Conductor cross section min. (energy) | 0.2 mm² |
| Conductor cross section max. (energy) | 1 mm² |
| Conductor cross section AWG min. (energy) | 24 |
| Conductor cross section AWG max. (energy) | 16 |
| External cable diameter min. | 7 mm |
| External cable diameter max. | 12 mm |
| Stripping length | 8 mm |
| 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 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 |

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## Technical data

### Pin assignment

| | |
|---|---|
| | 1 / 2 (B) = GY/PK |
| | 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 |
| | 1-4 / 1 (+ 24 V) = BN |
| | 1-4 / 3 (0 V) = BU |
| | 1-4 / 5 (PE) = GN/YE |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 8.0 | 27279219 |

### ETIM

| | |
|---|---|
| ETIM 4.0 | EC002585 |
| ETIM 5.0 | EC002585 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

# Sensor/actuator box - SACB-4/ 8-L-PT SCO P - 1412058

## Approvals

UL Recognized

| | |
|---|---|
| Nominal current IN | 8 A |
| Nominal voltage UN | 24 V |

cUL Recognized

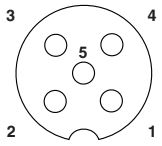
| | |
|---|---|
| mm²/AWG/kcmil | 8 |
| Nominal current IN | 24 A |

EAC

cULus Recognized

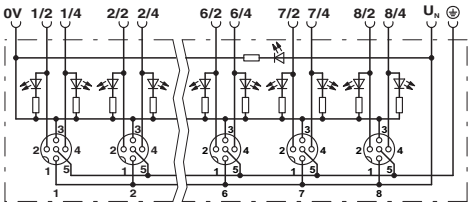
## Drawings

Schematic diagram



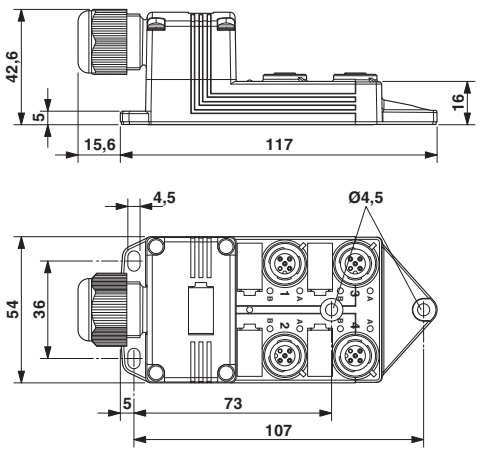

M12 slot, socket, 5-pos.

Circuit diagram



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Dimensional drawing




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