**PHŒNIX CONTACT**

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)

Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 4, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: M12 plug connection 90°, 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

## Key commercial data

| Packing unit | 1 pc |
|---|---|
| Weight per Piece (excluding packing) | 91.7 GRM |
| 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 | 4 A |
| Number of positions | 3 |
| Number of slots | 4 |
| Inflammability class according to UL 94 | V0 |
| Sensor/actuator connection system | M8 socket |

### Ambient conditions

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

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

## Technical data

### Ambient conditions

|  | IP67 |
|---|---|
| Ambient temperature (operation) | -30 °C ... 80 °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 | 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 |
| Material, O-ring | 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 |

## Classifications

### eCl@ss

| eCl@ss 4.0 | 27140815 |
|---|---|
| eCl@ss 4.1 | 27140815 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |

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

## Classifications

### eCl@ss

| eCl@ss 6.0 | 27143423 |
|---|---|
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

### ETIM

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

### 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 / GOST / cULus Recognized

---

Ex Approvals

---

Approvals submitted

---

### Approval details

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

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

## Approvals

cUL Recognized

| | |
|---|---|
| Nominal voltage UN | 24 V |

GOST

cULus Recognized

## Accessories

### Accessories

Labeled terminal marker

Zack Marker strip, flat - ZBF10 CUS - 0825031

Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

Master cable, assembled

Master cable - SAC-6P-M12FR-PURMC/ - 1520987

M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 0.2 m ... 40 m

Protective cap

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

## Accessories

Screw plug - PROT-M8 - 1682540

An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

Sealing cap - PROT-M12 FS - 1560251

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

## Screwdriver tools

Tool - SAC BIT M8-D10 - 1208461

Nut for assembling sensor/actuator cables with M8 connector and for M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Tool - SACC BIT M8-D12 - 1208474

Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Tool - SAC BIT M12-D15 - 1208432

Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

**PHŒNIX CONTACT**

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

## Accessories

### Terminal marking

Zack Marker strip, flat - ZBF10:UNBEDRUCKT - 0809997

Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 10 mm, Lettering field: 5.15 x 10 mm

### Torque tool

Torque screwdriver - TSD 02 SAC - 1208487

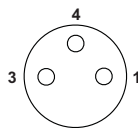Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

Torque screwdriver - TSD 04 SAC - 1208429

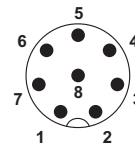Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

## Drawings
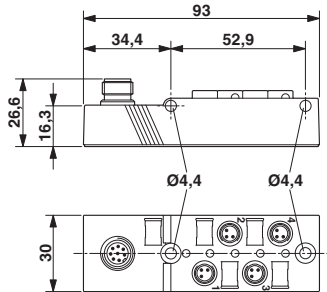
Schematic diagram

Pin assignment M8 socket, 3-pos.

Schematic diagram

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

**PHŒNIX CONTACT**

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

Dimensioned drawing



Circuit diagram