

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

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://phoenixcontact.com/download>)



Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 6, Number of positions: 4, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: M23 plug connection 90°, Shielding: No

The illustration shows a version with 8 slots

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) | 119.86 GRM |
| 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 | 12 A |
| Number of positions | 4 |
| Number of slots | 6 |
| Inflammability class according to UL 94 | V0 |
| Sensor/actuator connection system | M12 socket |

Ambient conditions

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Technical data

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP65 |
| | IP67 |
| Ambient temperature (operation) | -20 °C ... 75 °C |

Local diagnostics function

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

Master cable data/connection data

| | |
|--|---------------------|
| Connection method | M23 plug connection |
| 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 | CU alloy |
| Material of contact surface, master cable side | Gold-plated |
| Material of threaded sleeve | PA |
| 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 |
| | 5 / 4 (A) = 5 |
| | 6 / 4 (A) = 6 |
| | 1-4 / 1 (+ 24 V) = 11 |
| | 1-4 / 3 (0 V) = 9+10 |
| | 1-4 / 5 (PE) = 12 |

Classifications

eCl@ss

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

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27143423 |
| 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 | |
| mm ² /AWG/kcmil | 22-16 |

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Approvals

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

| | |
|----------------------------|-------|
| cUL Recognized | |
| mm ² /AWG/kcmil | 22-16 |
| Nominal voltage UN | 24 V |

| | |
|------|--|
| GOST | |
|------|--|

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

Accessories

Accessories

Assembly tool

Pipe spanner - PLUSCON-RCS - 1665062



Special pipe spanner, tool for mounting the M23 connector housing (with assembly), for coupling and sleeve housing

Circular connector (cable-side)

Cable connector - CA-12S1N8A8007 - 1619708



Cable connector, straight, shielded: Yes, Screw locking, M23, Number of positions: 12, Type of contact: Socket, Crimp connection, Cable diameter: 6 mm ... 10 mm

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Accessories

Cable connector - CA-12S1N8A8008 - 1619645



Cable connector, straight, shielded: Yes, Screw locking, M23, Number of positions: 12, Type of contact: Socket, Crimp connection, Cable diameter: 10 mm ... 14.5 mm

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

Master cable, assembled

Master cable - RCK-TGUM/BL12/ 5,0PUR-U - 1684014



M23 socket, straight, 12-pos., with 5 m master cable, pin 9 and 10 bridged

Master cable - RCK-TGUM/BL12/10,0PUR-U - 1684027



M23 socket, straight, 12-pos., with 10 m master cable, pin 9 and 10 bridged

Master cable - RCK-TWUM/BL12/ 5,0PUR-U - 1684030



M23 socket, angled, 12-pos., with 5 m master cable, pin 9 and 10 bridged

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Accessories

Master cable - RCK-TWUM/BL12/10,0PUR-U - 1684043



M23 socket, angled, 12-pos., with 10 m master cable, pin 9 and 10 bridged

Female connector - V-RC/TGUM 11/KVD 11/LBL 12 - 1000041



M23 socket, 12-pos., straight, freely configurable, with solder connection, for external cable diameter of 8 mm ... 12 mm

Female connector - V-RC/TWUM 11/KVD 11/LBL 12 - 1000043



M23 socket, 12-pos., angled, freely configurable, with solder connection, for external cable diameter of 8 mm ... 12 mm

Protective cap

Protective cap - MSK 1 - 1665897



M23 metal sealing cap, for unoccupied M23 connectors, without steel wire

Protective cap - MSK 2 - 1665907



M23 metal sealing cap, for unoccupied M23 connectors, with steel wire

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Accessories

Protective cap - KSK 1 - 1685013



Plastic sealing cap, for unoccupied M23 connectors

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

Screwdriver tools

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

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

T-distributor

Housing - RC-T 12/1BU2ST - 1685107



M23 T-distributor, 12-pos., with one M23 socket and two M23 plugs; position 9 and 10 bridged

Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Accessories

Torque tool

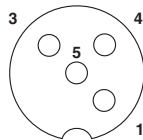
Torque screwdriver - TSD 04 SAC - 1208429



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

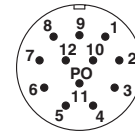
Drawings

Schematic diagram



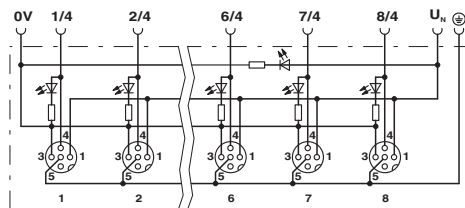
M12 slot, socket, 4-pos.

Schematic diagram



M23 plug connection pin, 12-pos.

Circuit diagram



Sensor/actuator box - SACB-6/ 6-L-M23 - 1692420

Dimensioned drawing

