

## 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://phoenixcontact.com/download>)



Sensor/actuator box, Application: Standard, 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)	100.0 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



Master cable, Application: Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 4, Number of positions: 6, Slot assignment: Single, Status indication: No, Universal; Master cable connection: M12 plug connection, PUR/PVC, Cable length: 0.5 m ... 50 m, Shielding: No

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

### Accessories

Master cable - SAC-6P- 5,0-PURMC/M12FR - 1407820



M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 5 m

---

Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821



M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 10 m

---

### Protective cap

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

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

### Accessories

---

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

---

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

---

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

---

### 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

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

## Accessories

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

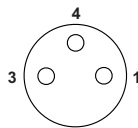
Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

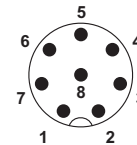
## Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos.

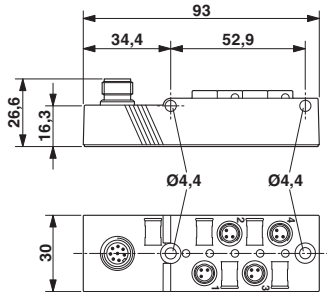
Schematic diagram



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

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

Dimensioned drawing



Circuit diagram

