

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

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: 10, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: M12 plug connection 90°, Shielding: No

The figure shows the 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 PCE
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	1.5 A
Current carrying capacity per slot	1.5 A
Total rated current	1.5 A
Number of positions	3
Number of slots	10
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M8 socket

Ambient conditions

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

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

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) = 3
	2 / 4 (A) = 4
	3 / 4 (A) = 6
	4 / 4 (A) = 8
	5 / 4 (A) = 5
	6 / 4 (A) = 9
	7 / 4 (A) = 7
	8 / 4 (A) = 10
	9 / 4 (A) = 11
	10 / 4 (A) = 12
	1-10 / 1 (+24 V) = 1
	1-10 / 3 (0 V) = 2

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

ETIM

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

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

Approvals

UL Recognized	
Nominal current IN	1.5 A

cUL Recognized	
Nominal current IN	1.5 A

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

Protective cap

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

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

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

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

Sensor/actuator cable

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

Accessories

Sensor/Actuator cable - SAC-12P- 5,0-PUR/FS SCO - 1430637



Sensor/Actuator cable, 12-position, PUR halogen-free, Black RAL 9005, Free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 5 m

Sensor/Actuator cable - SAC-12P-10,0-PUR/FS SCO - 1430640



Sensor/Actuator cable, 12-position, PUR halogen-free, Black RAL 9005, Free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 10 m

Sensor/Actuator cable - SAC-12P- 5,0-PUR/FR SCO - 1430679



Sensor/Actuator cable, 12-position, PUR halogen-free, Black RAL 9005, Free cable end, on Socket angled M12 SPEEDCON, A-coded, Cable length: 5 m

Sensor/Actuator cable - SAC-12P-10,0-PUR/FR SCO - 1430682



Sensor/Actuator cable, 12-position, PUR halogen-free, Black RAL 9005, Free cable end, on Socket angled M12 SPEEDCON, A-coded, Cable length: 10 m

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

Sensor/actuator box - SACB-10/3-L-M12-M8 - 1434853

Accessories

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

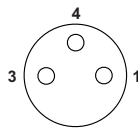
Torque screwdriver - TSD 04 SAC - 1208429



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

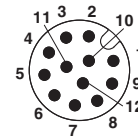
Drawings

Schematic diagram



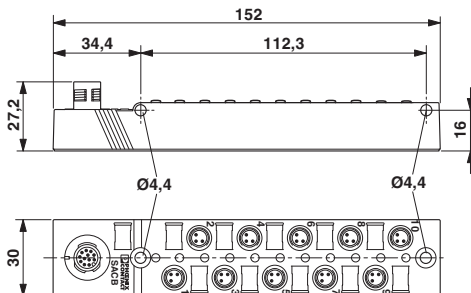
M8 slot, socket, 3-pos.

Schematic diagram



M12 plug connection pin, 12-pos.

Dimensioned drawing



Circuit diagram

