

Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

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: 10, Number of positions: 3, Coding: A - standard, Slot assignment: single, Status indication: Yes, pnp; Master cable connection: Pluggable screw 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
- Flexible: distributor box with connector hood for on-site assembly



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 976422
Weight per Piece (excluding packing)	218.6 g
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	2 A
Total rated current	8 A
Number of positions	3
Number of slots	10
Flammability rating according to UL 94	V0

Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

Technical data

General

Sensor/actuator connection system	M8 socket
-----------------------------------	-----------

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-30 °C ... 80 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	Pluggable screw connection
Conductor cross section min. (signal)	0.14 mm ²
Conductor cross section max. (signal)	1.5 mm ²
Conductor cross section AWG min. (signal)	26
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	7 mm
Conductor cross section min. (energy)	0.14 mm ²
Conductor cross section max. (energy)	1.5 mm ²
Conductor cross section AWG min. (energy)	26
Conductor cross section AWG max. (energy)	16
External cable diameter min.	7 mm
External cable diameter max.	12 mm
Stripping length	60 mm (Master cable)
Tightening torque, cover screw	1 Nm
Tightening torque, union nut	2.5 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 the contact carrier on the master cable side	PA 66 V0
Material of threaded sleeve	Cu alloy

Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

Technical data

Insulation material

Material of threaded sleeve surface	Nickel-plated
O-ring material	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	7 / 4 (A) = 7 / 4
	8 / 4 (A) = 8 / 4
	9 / 4 (A) = 9 / 4
	10 / 4 (A) = 10 / 4
	1-10 / 1 (+24 V) = U _N
	1-10 / 3 (0 V) = 0 V

Standards and Regulations

Standard designation	M8 connector
Standards/regulations	IEC 61076-2-104
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

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
eCl@ss 9.0	27440108

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856

Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

Classifications

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 / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
Nominal voltage UN	24 V

cUL Recognized 	
Nominal voltage UN	24 V

EAC

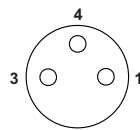
Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

Approvals

cULus Recognized 

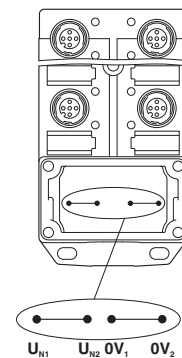
Drawings

Schematic diagram



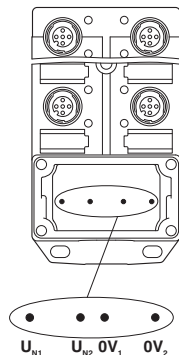
M8 slot, socket, 3-pos.

Schematic diagram



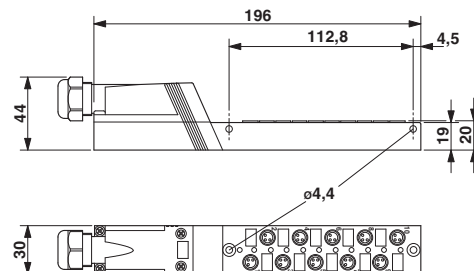
Potential U_{N1} and U_{N2} bridged

Schematic diagram



Electrically isolated

Dimensional drawing



Sensor/actuator box - SACB-10/3-L-C-M8 - 1503438

Circuit diagram

