

## Sensor/actuator box - SACB-4/ 8-L-C - 1692352

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, connection method: M12 socket Plastic, number of slots: 4, number of positions: 5, coding: A - standard, slot assignment: Double, status display: yes, pnp; master cable connection: Pluggable screw connection 180°, shielding: no

### Your advantages

- Safety in the field, thanks to robust 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
- Save space: distributor box with double occupancy for two sensors in one slot
- Flexible: distributor box with connector hood for on-site assembly

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 177997
GTIN	4017918177997
Sales Key	02

### 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	10 A
	2x 8 A (For electrical isolation)
Number of positions	5
Number of slots	4
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12 socket

# Sensor/actuator box - SACB-4/ 8-L-C - 1692352

## Technical data

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 75 °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	Pluggable screw connection
Conductor cross section min. (signal)	0.14 mm <sup>2</sup>
Conductor cross section max. (signal)	1.5 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section max. (energy)	1.5 mm <sup>2</sup>
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
Tightening torque, union nut	2.5 Nm
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	Sn
Material of the contact carrier on the master cable side	PA 6.6 V0
Material of threaded sleeve	PA
O-ring material	NBR

### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	1 / 2 (B) = 1 / 2
	2 / 4 (A) = 2 / 4
	2 / 2 (B) = 2 / 2
	3 / 4 (A) = 3 / 4
	3 / 2 (B) = 3 / 2
	4 / 4 (A) = 4 / 4

# Sensor/actuator box - SACB-4/ 8-L-C - 1692352

## Technical data

### Pin assignment

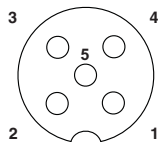
	4 / 2 (B) = 4 / 2
	1-4 / 1 (+ 24 V) = U <sub>N</sub>
	1-4 / 3 (0 V) = 0 V
	1-4 / 5 (PE) = PE

### Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

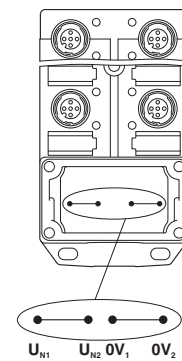
## Drawings

Schematic diagram



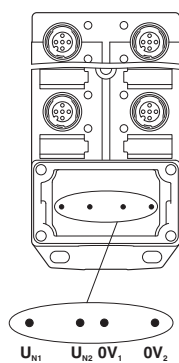
M12 slot, socket, 5-pos.

Schematic diagram



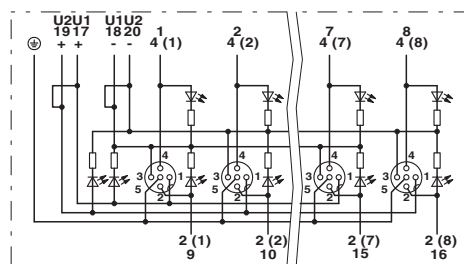
Potential U<sub>N1</sub> and U<sub>N2</sub> bridged. Potential assignment: U<sub>N1</sub> = U<sub>N2</sub> = slots 1,2,3,4.

Schematic diagram



Electrically isolated. Potential assignment: U<sub>N1</sub> = slots 1,3 and U<sub>N2</sub> = slots 2,4.

Circuit diagram



Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Sensor Hardware & Accessories](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[62105012-000](#) [F03-01 SUS304 BINIL](#) [FH-AP1](#) [PH-1-10M](#) [PH-1-20M](#) [PH-2-30M](#) [AC201](#) [R4](#) [R-8580-360](#) [ADI-LC3S](#) [E39-L149](#) [PBT420-100R](#) [K35-4](#) [SDV-DH3 DC48](#) [SDV-DH7 AC200/220](#) [SDV-FL3 DC48](#) [SDV-FM2 DC24](#) [SDV-FM3 DC48](#) [SDV-FM6 AC100/110](#) [SDV-SH15](#) [A-1923](#) [STA12](#) [AP4-T](#) [PH-1-50M](#) [R6](#) [R-8580-362](#) [D01051301](#) [3Z4S-ML-PL305](#) [43912557-020](#) [MF-1 D=3.2](#) [BGN-035](#) [05282945-006](#) [E39-L7](#) [EE-1006-8 2M](#) [SDV-FL6 AC100/110](#) [SDV-FL7 AC200/220](#) [SDV-FM7 AC200/220](#) [SDV-SH10](#) [8000-5110](#) [ZX-SB11](#) [ZLR12GI12V3](#) [XZCC43FCP40B](#) [D01070602](#) [606075](#) [ZCM077GIV5](#) [Y92ES12PVC4A10ML](#) [Y92ES12PVC4S5ML](#) [ZFV-XMF2](#) [28810-2](#) [ZX-SW11E V3](#)