

# Sensor/actuator box - SACB-8/16-L-M23 - 1692459

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Sensor/actuator box, Application: Standard, Connection method: M12 socket Plastic, Number of slots: 8, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: M23 plug connection 90°, Shielding: No

## Your advantages

- 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
- Save space: distributor box with double occupancy for two sensors in one slot

## Key commercial data

package_quantity	1
GTIN	4017918177911

## 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	5
Number of slots	8
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12 socket

### Ambient conditions

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

### Local diagnostics function

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

### Master cable data/connection data

Connection method	M23 plug connection
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## Technical data

### Master cable data/connection data

Tightening torque slot sensor/actuator cable	0.4 Nm
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### 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 the contact carrier on the master cable side	PA
Material of threaded sleeve	PA
O-ring material	NBR

### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15
Slot/position = Wire color or connection	1 / 2 (B) = 7
Slot/position = Wire color or connection	2 / 4 (A) = 5
Slot/position = Wire color or connection	2 / 2 (B) = 4
Slot/position = Wire color or connection	3 / 4 (A) = 16
Slot/position = Wire color or connection	3 / 2 (B) = 8
Slot/position = Wire color or connection	4 / 4 (A) = 3
Slot/position = Wire color or connection	4 / 2 (B) = 14
Slot/position = Wire color or connection	5 / 4 (A) = 17
Slot/position = Wire color or connection	5 / 2 (B) = 9
Slot/position = Wire color or connection	6 / 4 (A) = 2
Slot/position = Wire color or connection	6 / 2 (B) = 13
Slot/position = Wire color or connection	7 / 4 (A) = 11
Slot/position = Wire color or connection	7 / 2 (B) = 10
Slot/position = Wire color or connection	8 / 4 (A) = 1
Slot/position = Wire color or connection	8 / 2 (B) = 18
Slot/position = Wire color or connection	1-8 / 1 (+ 24 V) = 19
Slot/position = Wire color or connection	1-8 / 3 (0 V) = 6
Slot/position = Wire color or connection	1-8 / 5 (PE) = 12

### Standards and Regulations

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

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## Classifications

### eCl@ss

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
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

UL Recognized / cUL Recognized / EAC / cULus Recognized /

### Approval details

<b>UL Recognized s</b>	
Nominal voltage UN	24 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	22-16

<b>cUL Recognized s</b>	
Nominal voltage UN	24 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	22-16

<b>EAC s</b>
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## Sensor/actuator box - SACB-8/16-L-M23 - 1692459

### Approvals

cULus Recognized s  US

### Accessories

#### Master cable, assembled

RCK-TGUM/BL16+3/ 5,0PUR-U - 1684056



RCK-TGUM/BL16+3/10,0PUR-U - 1684069



RCK-TWUM/BL16+3/ 5,0PUR-U - 1684072



RCK-TWUM/BL16+3/10,0PUR-U - 1684085



V-RC/TGUM 13/KVD 13/LBL 16+3 - 1000042



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### Accessories

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V-RC/TWUM 13/KVD 13/LBL 16+3 - 1000044



### Protective cap

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PROT-M12 - 1680539



MSK 1 - 1665897



MSK 2 - 1665907



KSK 1 - 1685013



### Device marking

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## Sensor/actuator box - SACB-8/16-L-M23 - 1692459

### Accessories

ZBN 18:UNBEDRUCKT - 2809128



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### Assembly tool

PLUSCON-RCS - 1665062



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### Torque tool

TSD 04 SAC - 1208429



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### Screwdriver tools

SAC BIT M12-D15 - 1208432



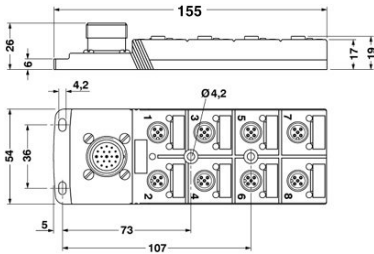
SACC BIT M12-D20 - 1208445



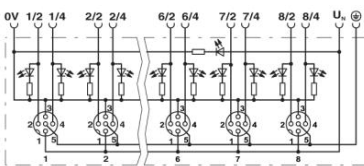
# Sensor/actuator box - SACB-8/16-L-M23 - 1692459

## Drawings

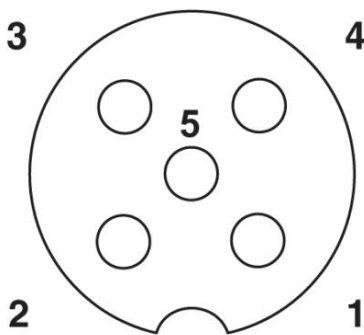
### Dimensional drawing



### Circuit diagram

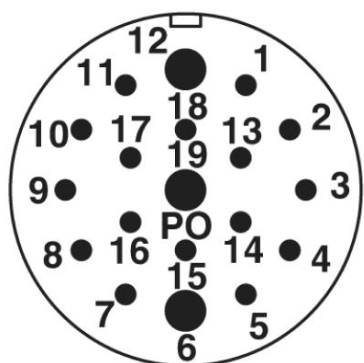


### Schematic diagram



M12 slot, socket, 5-pos.

### Schematic diagram



M23 plug connection pin, 19-pos.