

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

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Sensor/actuator box, Application: Standard, 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

### Why buy this product

- ✓ 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
GTIN	 4 046356 485678
Weight per Piece (excluding packing)	154.0 g
Custom tariff number	85444290
Country of origin	Poland
Note	Made to Order (non-returnable)

### 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

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

## Technical data

### Ambient conditions

Degree of protection	IP65
	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
O-ring material	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

## Classifications

eCl@ss

eCl@ss 4.0	27140815
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### Classifications

#### eCl@ss

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 / EAC / cULus Recognized

##### Ex Approvals


##### Approvals submitted

#### Approval details


UL Recognized 	
Nominal current IN	1.5 A

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

### Approvals

cUL Recognized 	
Nominal current IN	1.5 A

EAC
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cULus Recognized 
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### 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

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

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

### Accessories

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

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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

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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

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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

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### Sensor/actuator cable

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

### Accessories

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

### 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

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## Accessories

Torque screwdriver - TSD 04 SAC - 1208429



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

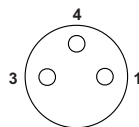
Torque screwdriver - TSD-M 1,2NM - 1212224



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

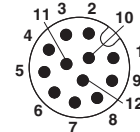
## Drawings

Schematic diagram



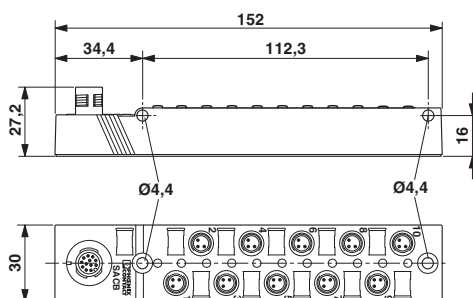
M8 slot, socket, 3-pos.

Schematic diagram



M12 plug connection pin, 12-pos.

Dimensioned drawing



Circuit diagram

