

Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

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Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: M16 plug connection 90°, 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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	140.4 GRM
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	2 A
Current carrying capacity per slot	2 A
Total rated current	6 A
Number of positions	3
Number of slots	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M8 socket

Ambient conditions

Degree of protection	IP65
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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	M16 plug connection
Tightening torque - master cable - plug connection	1.5 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 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) = P
	2 / 4 (A) = J
	3 / 4 (A) = T
	4 / 4 (A) = S
	5 / 4 (A) = G
	6 / 4 (A) = R
	7 / 4 (A) = E
	8 / 4 (A) = O
	1-8 / 1 (+ 24 V) = A+M
	1-8 / 3 (0 V) = L+U

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	27449001

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

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized


Ex Approvals


Approvals submitted

Approval details

Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

Approvals

UL Recognized 	
Nominal voltage UN	24 V

cUL Recognized 	
Nominal voltage UN	24 V

GOST 	
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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

Master cable, assembled

Master cable - SAC-12P- 5,0-PUR/M16FR - 1693720



Master cable, Application: Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 12, Slot assignment: Single, Status indication: No; Master cable connection: M16 plug connection, PUR/PVC, Cable length: 5 m, Shielding: No

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Accessories

Master cable - SAC-12P-10,0-PUR/M16FR - 1693733



Master cable, Application: Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 12, Slot assignment: Single, Status indication: No; Master cable connection: M16 plug connection, PUR/PVC, Cable length: 10 m, Shielding: No

Connector - SACC-M16FS-14CON-M - 1500554



M16 socket, 14-pos., with solder connection, freely configurable, straight, for a 6.0 mm conductor diameter ... 8.0 mm

Connector - SACC-M16FR-14CON-M - 1500253



M16 socket, 14-pos., with solder connection, freely configurable, angled, for a 6.0 mm conductor diameter ... 8.0 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

Screwdriver tools

Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

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

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

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

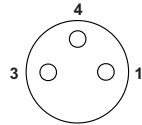


Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

Drawings

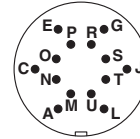
Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

Schematic diagram



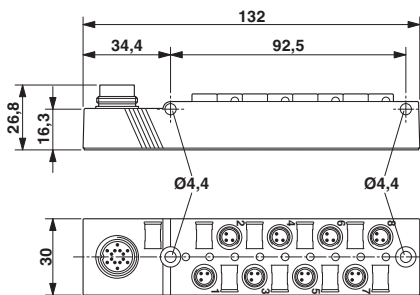
M8 slot, socket, 3-pos.

Schematic diagram



M16 plug connection pin, 14-pos.

Dimensioned drawing



Circuit diagram

