Sensor/actuator box - SACB- 6/3-L-M16-M8 - 1516195

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Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 6, 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 PCE
Catalog page	Page 179 (PC-2011)
GTIN	4 017918 967123
Custom tariff number	85444290
Country of origin	POLAND

Technical data

General data

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	6
Degree of protection	IP65/67
Inflammability class according to UL 94	V0

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Technical data

General data

Ambient temperature (operation)	-30 °C ... 80 °C
Sensor/actuator connection system	M8 socket

Local diagnostics function

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

Master cable data

Connection method	M16 plug connection
Tightening torque - master cable - plug connection	1.5 Nm
Tightening torque slot sensor/actuator cable	0.2 Nm
Tightening torque screw plug	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
Slot/position = Wire color or connection	2 / 4 (A) = J
Slot/position = Wire color or connection	3 / 4 (A) = T
Slot/position = Wire color or connection	4 / 4 (A) = S
Slot/position = Wire color or connection	5 / 4 (A) = G
Slot/position = Wire color or connection	6 / 4 (A) = R
Slot/position = Wire color or connection	1-6 / 1 (+ 24 V) = A+M
Slot/position = Wire color or connection	1-6 / 3 (0 V) = L+U

Classifications

ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856

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Classifications

ETIM

ETIM 4.0	EC002585
ETIM 5.0	EC002585

UNSPSC

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501
UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

Nominal voltage UN	24 V

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Approvals

cUL Recognized

Nominal voltage UN	24 V

GOST

cULus Recognized

Accessories

Accessories

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

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

Protection and sealing elements

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Accessories

Screw plug - PROT-M8 - 1682540



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

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Socket

Master cable - SAC-10P- 5,0-PUR/M16FR - 1693704



Master cable, Number of slots: 6, Number of positions: 10, Status indication: No; Master cable connection: M16 plug connection, PUR/PVC, Cable length: 5 m, Shielding: No

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Master cable - SAC-10P-10,0-PUR/M16FR - 1693717



Master cable, Number of slots: 6, Number of positions: 10, Status indication: No; Master cable connection: M16 plug connection, PUR/PVC, Cable length: 10 m, Shielding: No

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Plug-in 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

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Plug-in 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

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Accessories

Tools

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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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

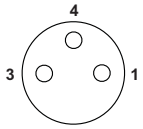


Nut for assembling SACC M8 connectors for free assembly with longitudinal knurl, excluding M8 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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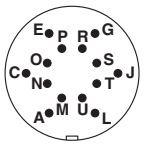
Drawings

Schematic diagram



M8 slot, socket, 3-pos.

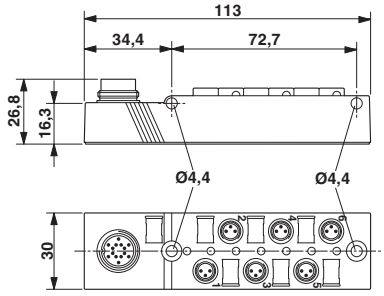
Schematic diagram



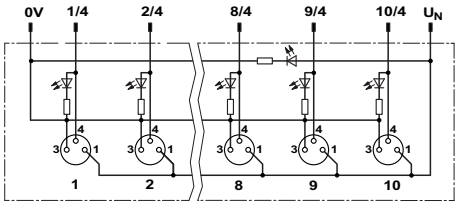
M16 plug connection pin, 14-pos.

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Dimensioned drawing



Circuit diagram



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