

Sensor/actuator box - SACB-10/3-L-M16-M8 HD - 1197585

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Sensor/actuator box, application: Standard, connection method: M8 socket Metal, number of slots: 10, number of positions: 3, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: M16 plug connection 90°, shielding: no

The figure shows the version with 8 slots

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 257071
GTIN	4063151257071
Custom tariff number	85444290
Country of origin	Germany

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

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Technical data

General

Number of slots	10
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M8 socket
Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °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
Tightening torque of mounting screw for fixing the housing	0.8 Nm

Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PBT
Material of contact, master cable side	CU alloy
Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
O-ring material	FKM

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

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Technical data

Pin assignment

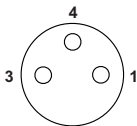
	6 / 4 (A) = R
	7 / 4 (A) = E
	8 / 4 (A) = O
	9 / 4 (A) = C
	10 / 4 (A) = N
	1-10 / 1 (+24 V) = A+M
	1-10 / 3 (0 V) = L+U

Standards and Regulations

Standards/specifications	M8 connector IEC 61076-2-104
Flammability rating according to UL 94	V0

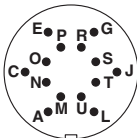
Drawings

Schematic diagram



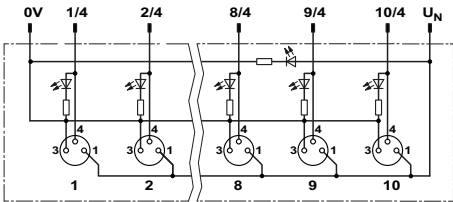
M8 slot, socket, 3-pos.

Schematic diagram



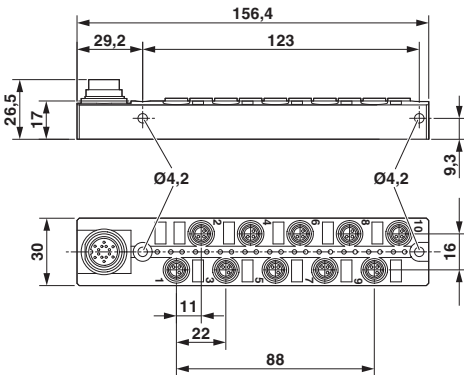
M16 plug connection pin, 14-pos.

Circuit diagram



Further information can be found in the connection assignment section

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440111
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Classifications

eCl@ss

eCl@ss 11.0	27440111
eCl@ss 9.0	27440108

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E258716
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E258716
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Accessories

Accessories

Labeled terminal marker

Marker for terminal blocks - UCT1U-TM 5 CUS - 8191012



Markers for terminal blocks, for marking terminal blocks from Weidmüller, Conta Clip, and Klemmsan, 72-section, offset foot, can be ordered in sheet form, marked according to customer specifications, color: white

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Accessories

Marker for terminal blocks - UCT1-TMF 5 CUS - 0829718



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.45 x 5.2 mm, Number of individual labels: 72

Master cable, assembled

Master cable - SAC-14P- 5,0-PUR/M16FR - 1693746



Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 10, number of positions: 14, slot assignment: single, status display: No; master cable connection: M16 plug connection, PUR/PVC, cable length: 5 m, shielding: no

Master cable - SAC-14P-10,0-PUR/M16FR - 1693759



Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 10, number of positions: 14, slot assignment: single, status display: 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

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Accessories

Plug for cable screw gland

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

Tool - SAC BIT M8-D10 - 1208461



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive

Tool - SACC BIT M8-D12 - 1208474



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

Terminal marking

Marker for terminal blocks - UCT1U-TM 5 - 0803204



UniCard materials for thermal transfer printers, for marking terminal blocks from Weidmüller, Conta Clip, and Klemsan, 72-section, offset foot, can be marked with THERMOMARK CARD and BLUEMARK, color: white

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Accessories

Marker for terminal blocks - UCT1-TMF 5 - 0829237



UniCard materials for thermal transfer printers, for labeling Weidmüller, Conta Clip, and Klemmsan terminal blocks with horizontal marker groove, 72-section, can be labeled with THERMOMARK CARD and BLUEMARK LED, color: white

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