PHŒNIX CONTACT

Sensor/actuator box - SACB- 4/3-L-M12-M8 HD - 1197405

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Sensor/actuator box, application: Standard, connection method: M8 socket Metal, number of slots: 4, number of positions: 3, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: M12 plug connection 90°, shielding: no

Your advantages

☑ Safety in the field, thanks to molded housing and high degree of protection

☑ Convenient: increased machine availability thanks to quick and easy diagnostics

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4063151256265
Weight per Piece (excluding packing)	80.000 g
Weight per piece (including packing)	83.200 g
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	4 A
Number of positions	3
Number of slots	4
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

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Technical data

General

	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)	-25 °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
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 contact surface, master cable side	gold-plated
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) = 1
	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	1-4 / 1 (+ 24 V) = 5
	1-4 / 3 (0 V) = 7

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
	M8 connector IEC 61076-2-104

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years

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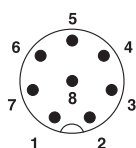# Sensor/actuator box - SACB- 4/3-L-M12-M8 HD - 1197405

Technical data

Environmental Product Compliance

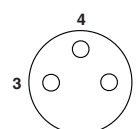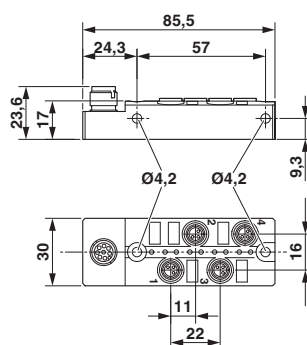|	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

Schematic diagram

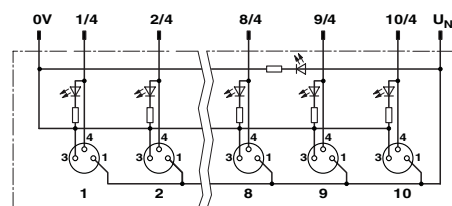Connector pin assignment for M12 plug-in connection, 8-pos.

M8 slot, socket, 3-pos.

Dimensional drawing

Circuit diagram

Further information can be found in the connection assignment section

Classifications

eCl@ss

eCl@ss 10.0.1	27440111
eCl@ss 11.0	27440111
eCl@ss 9.0	27440108

ETIM

ETIM 7.0	EC003558

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

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Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E238705

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E238705

cULus Recognized	

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 Klemsan, 72-section, offset foot, can be ordered in sheet form, marked according to customer specifications, color: white

Master cable, assembled

Master cable - SAC-6P-M12FR-PURMC/ - 1520987

Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 4, number of positions: 6, coding: A - standard, slot assignment: single, status display: No, Universal; master cable connection: M12 plug connection, PUR/PVC, cable length: 0.5 m ... 50 m, shielding: no

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Accessories

Master cable - SAC-6P- 5,0-PURMC/M12FR - 1407820

M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 5 m

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Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 10 m

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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

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Protective cap

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

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Screwdriver tools

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 M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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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

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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

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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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Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

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

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Accessories

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

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

Torque screwdriver - TSD 02 SAC - 1208487

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