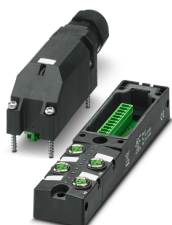**PHŒNIX CONTACT**

Sensor/actuator box - SACB- 4/3-L-PTP-M8 HD - 1197604

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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: Plug-in push-in spring-cage connection 180°, 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

☑ Flexible: distributor box with connector hood for on-site assembly

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 063151 256593
GTIN	4063151256593
Weight per Piece (excluding packing)	22.220 g
Weight per piece (including packing)	198.450 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	8 A
Number of positions	3
Number of slots	4
Sensor/actuator connection system	M8 socket

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Technical data

General

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)	-25 °C ... 80 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	Plug-in push-in spring-cage connection
Conductor cross section min. (signal)	0.2 mm²
Conductor cross section max. (signal)	1.5 mm²
Conductor cross section AWG min. (signal)	24
Conductor cross section AWG max. (signal)	16
Stripping length (signal)	10 mm
Conductor cross section min. (energy)	0.2 mm²
Conductor cross section max. (energy)	1.5 mm²
Conductor cross section AWG min. (energy)	24
Conductor cross section AWG max. (energy)	16
Stripping length	70 mm (Master cable)
Tightening torque, cover screw	1 Nm
Tightening torque of mounting screw for fixing the housing	0.8 Nm

Conductor data

Minimum external conductor diameter	6 mm
Maximum external conductor diameter	12 mm
Tightening torque, union nut	2.5 Nm
Wrench size, union nut	24 mm

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	tin-plated
Material of the contact carrier on the master cable side	PA

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Technical data

Insulation material

Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
O-ring material	FKM
Sealing material	CR/NBR (Cable gland)
	FKM (Hood seal)
Material	PA 6 (Cable gland)

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	1-4 / 1 (+ 24 V) = U_N
	1-4 / 3 (0 V) = 0 V

Standards and Regulations

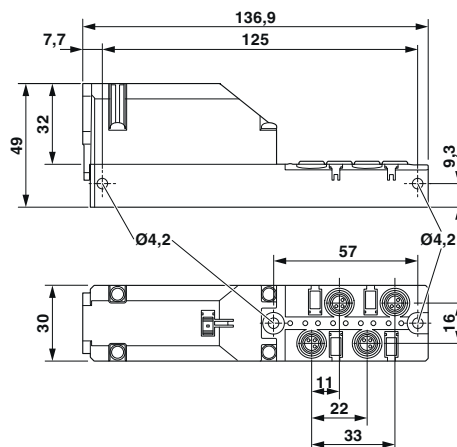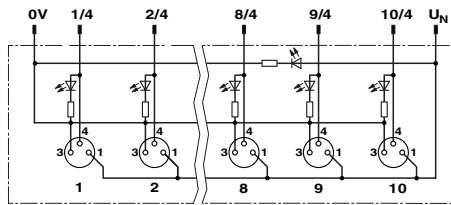| Standards/specifications	M8 connector IEC 61076-2-104

Drawings

Schematic diagram
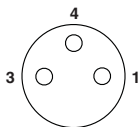
M8 slot, socket, 3-pos.
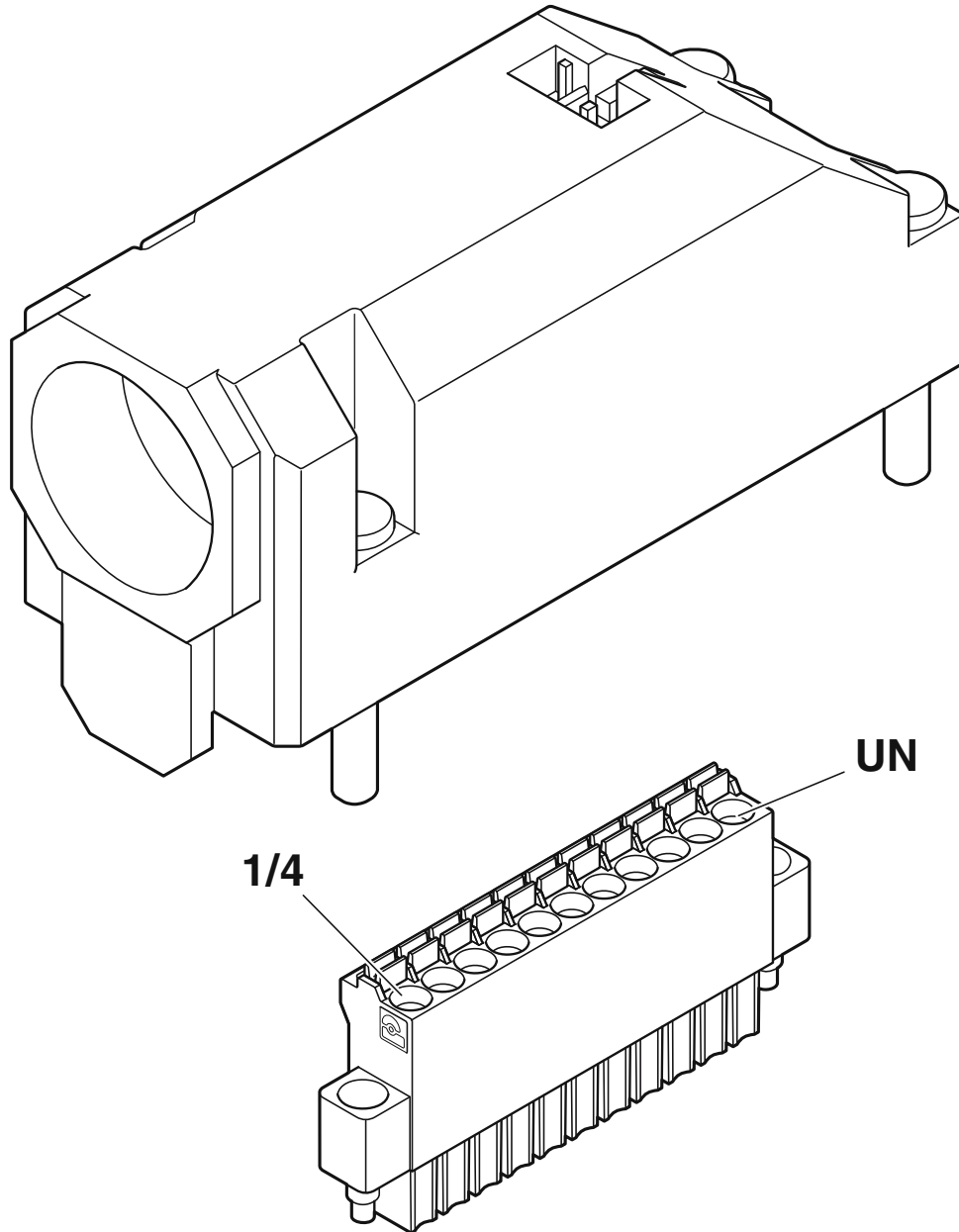
Dimensional drawing

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Circuit diagram

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Schematic diagram

UN

1/4

PCB connector positioning - the UN connection is on the end of the connector hood opposite the cable gland

Classifications

eCl@ss

eCl@ss 10.0.1	27440111
eCl@ss 11.0	27440111

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Sensor/actuator box - SACB- 4/3-L-PTP-M8 HD - 1197604

Classifications

eCl@ss

eCl@ss 9.0	27440108

ETIM

ETIM 7.0	EC003558

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

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

Cable by the meter

Master cable ring - SACB- 4X0,34/2X0,75-50 PUR - 1517576

Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 6-pos., 4 x 0.34 mm² and 2 x 0.75 mm², length: 50 m

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Connector hood without master cable

Sensor/actuator box - SACB- 4/3-L-PTP-M8 HD - 1197604

Accessories

Connector hood - SACB-PT-H180- 4/3-M8 HD - 1197651

Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 4, number of positions: 3, slot assignment: single, status display: No, Universal; master cable connection: Plug-in push-in spring-cage connection 180°, shielding: no

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

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 HOOD-W 24 - 1212486

Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive

Philips screwdriver - SZK PZ2 VDE - 1206463

Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip

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Accessories

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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Screwdriver - SZS 0,4X2,5 VDE - 1205037

Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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Screw insert - SF-BIT-SL 0,45X2,4-70 - 1212607

Screw bit, slotted, E6.3-1/4" drive, size: 0.45 x 2.4 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

Screwdriver - SF-M BH - 1212070

Bit screwdriver, with 1/4" quick-action chuck, handle length 119 mm, 2-component handle, with non-slip grip, suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic

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Terminal marking

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Accessories

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 25 SAC - 1212315

Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

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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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