Connector hood - SACB-PT-H180- 8/3-M8 HD

1197657

https://www.phoenixcontact.com/us/products/1197657

Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 8, number of positions: 3, slot assignment: single, status display: No, Universal; master cable connection: Plug-in push-in spring-cage connection 180°, shielding: no

Your advantages

• Flexible, distributed bundling of signals in one master cable

Commercial Data

Item number	1197657
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	B08
Product Key	BF3BCG
GTIN	4063151256876
Weight per Piece (including packing)	72.04 g
Weight per Piece (excluding packing)	72.04 g
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Notes

Assembly instruction:	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.

Product properties

Product type	Connector hood without master cable
Number of positions	3
Application	Standard
Number of slots	8

Electrical properties

Max. operating voltage U_{max}	30 V DC
Nominal voltage U_N	24 V DC
Rated current, total	8 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	2 A

Connection data

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
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	7 / 4 (A) = 7 / 4
	8 / 4 (A) = 8 / 4
	1-8 / 1 (+ 24 V) = U_N
	1-8 / 3 (0 V) = 0 V

LED signaling

Status display present	No

Material specifications

Color	black
Material	PA 6 (Cable gland)
Sealing material	CR/NBR (Cable gland)
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	tin-plated

Housing material	PBT

Cable / line

Sensor/actuator connection system	M8 socket
Connection method	Plug-in push-in spring-cage connection
Metric conductor cross section (Signal)	0.2 mm² ... 1.5 mm²
Cross section AWG (Signal)	24 ... 16
Stripping length (signal)	10 mm
Metric conductor cross section (Power)	0.2 mm² ... 1.5 mm²
Cross section AWG (Power)	24 ... 16
Stripping length for sheath	70 mm (Master cable)
Tightening torque, cover screw	1 Nm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

Drawings

Dimensional drawing
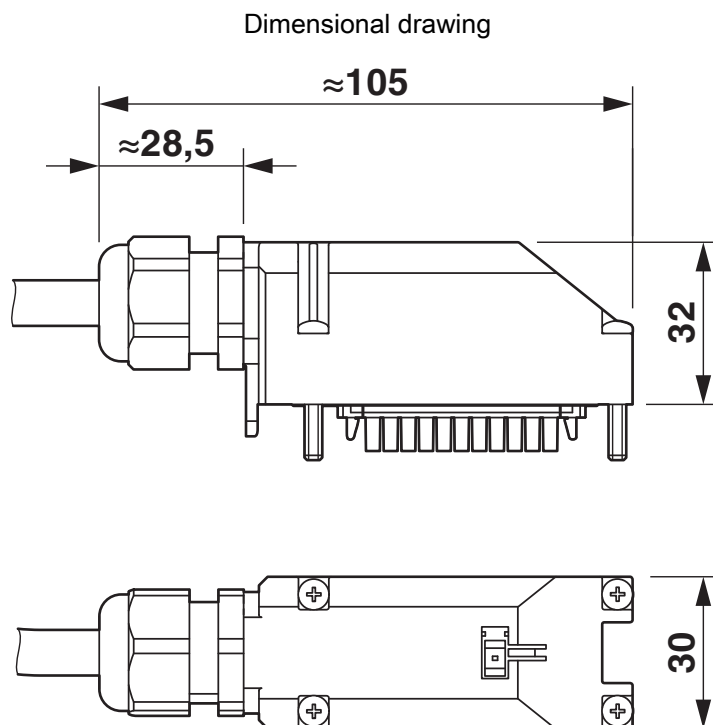
Schematic diagram
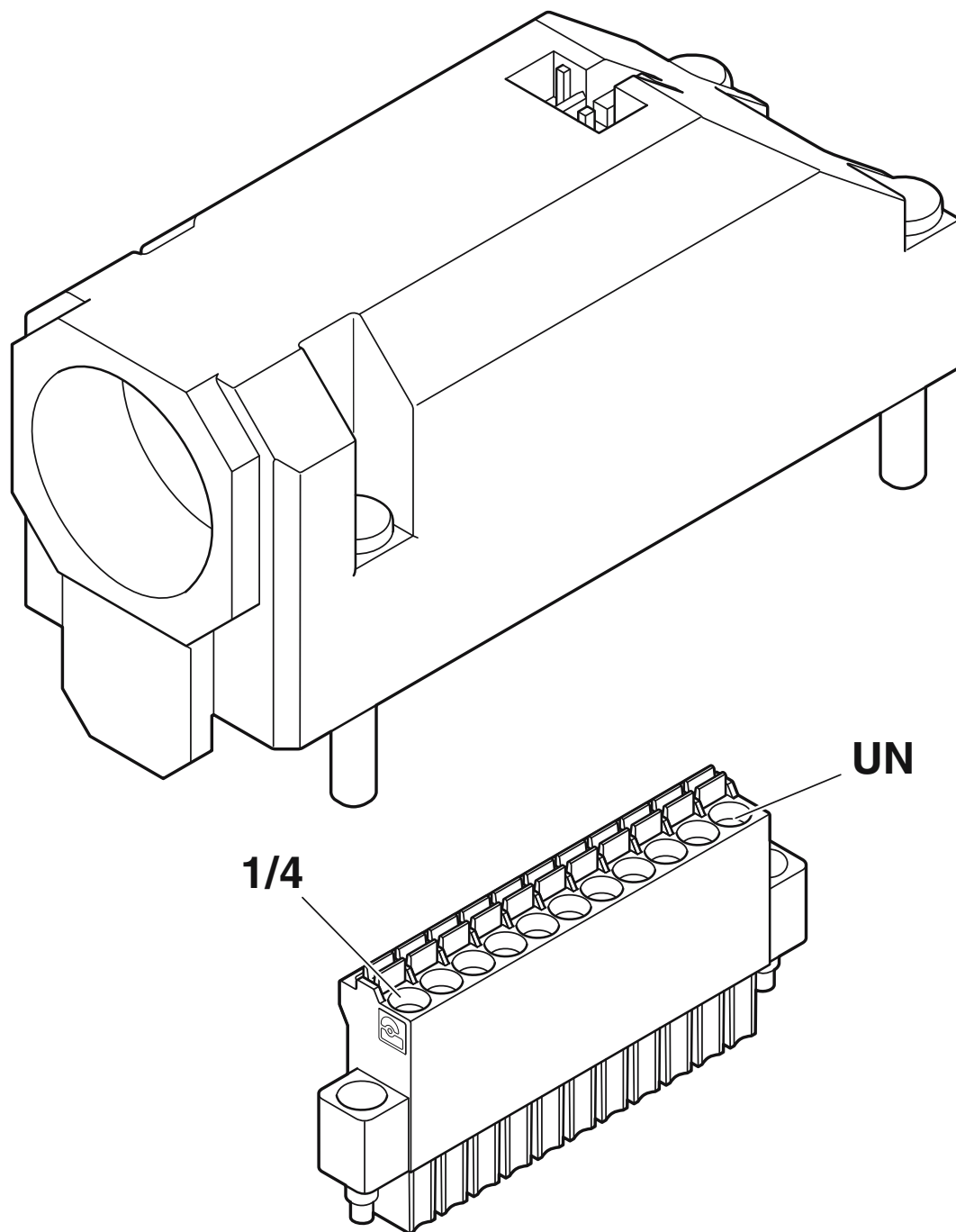
PCB connector positioning - the UN connection is on the end of the connector hood opposite the cable gland

Classifications

ECLASS

ECLASS-9.0	27440108
ECLASS-10.0.1	27440111
ECLASS-11.0	27440111

ETIM

ETIM 8.0	EC003558

UNSPSC

UNSPSC 21.0	31251500

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Mandatory Accessories

Sensor/actuator box header

Sensor/actuator box header - SACB- 8/3-L-C-M8 HD GG - 1197612

https://www.phoenixcontact.com/us/products/1197612

Sensor/actuator box header, application: Standard, connection method: M8 socket Metal, number of slots: 8, number of positions: 3, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: Plug-in master cable connection, shielding: no

Accessories

Master cable ring

Master cable ring - SACB- 8X0,34/2X0,75-50 PUR - 1517592

https://www.phoenixcontact.com/us/products/1517592

Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 10-pos., 8 x 0.34 mm^2 and 2 x 0.75 mm^2, length: 50 m

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Torque screwdriver

Torque screwdriver - TSD 25 SAC - 1212315

https://www.phoenixcontact.com/us/products/1212315

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

Tool

Tool - SAC BIT HOOD-W 24 - 1212486

https://www.phoenixcontact.com/us/products/1212486

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

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Screwdriver

Screwdriver - SZK PZ2 VDE - 1206463

https://www.phoenixcontact.com/us/products/1206463

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

Marker for terminal blocks

Marker for terminal blocks - UCT1U-TM 5 - 0803204

https://www.phoenixcontact.com/us/products/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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Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/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

Marker for terminal blocks

Marker for terminal blocks - UCT1-TMF 5 - 0829237

https://www.phoenixcontact.com/us/products/0829237

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

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Marker for terminal blocks

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

https://www.phoenixcontact.com/us/products/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

Screwdriver

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

https://www.phoenixcontact.com/us/products/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

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

https://www.phoenixcontact.com/us/products/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

Screwdriver - SF-M BH - 1212070

https://www.phoenixcontact.com/us/products/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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