

SACB-C-H180-10/3-M8 HD - Connector hood



1197646

<https://www.phoenixcontact.com/in/products/1197646>

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Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 10, number of positions: 3, slot assignment: single, status display: No, Universal; master cable connection: Pluggable screw connection 180°, shielding: no

Your advantages

- Flexible, distributed bundling of signals in one master cable

Commercial data

Item number	1197646
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	AF3BCG
GTIN	4063151257484
Weight per piece (including packing)	80.2 g
Weight per piece (excluding packing)	80.2 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Notes

Note regarding documentation	For details about the PCB connectors used, refer to the technical data for MC 1,5/10-STF-3,5 (1847204)
Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Connector hood
Application	Standard
Number of positions	3
Number of slots	10

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

Conductor connection

Sensor/actuator connection system	M8 socket
Connection method	Pluggable screw connection
Conductor cross section Flexible signal line	0.14 mm ² ... 1.5 mm ²
Conductor cross section Flexible power supply	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG Flexible signal line	26 ... 16
Connection cross section AWG Flexible power supply	26 ... 16
Stripping length Signal line	7 mm
Stripping length of the sheath	70 mm (Master cable)
Tightening torque, cover screw	1 Nm

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

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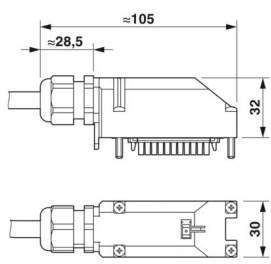
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	9 / 4 (A) = 9 / 4
	10 / 4 (A) = 10 / 4
	1-10 / 1 (+24 V) = U _N
	1-10 / 3 (0 V) = 0 V

Signaling

Status display present	No
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Dimensions

Dimensional drawing	
Wrench size, union nut	24 mm
Wrench size, counter nut	24 mm

Material specifications

Material Housing	PBT
Material Cable gland	PA 6 (Cable gland)
Seal material	CR/NBR
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

Cable/line

External cable diameter	6 mm ... 12 mm
Connection method	Pluggable screw connection

Environmental and real-life conditions

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

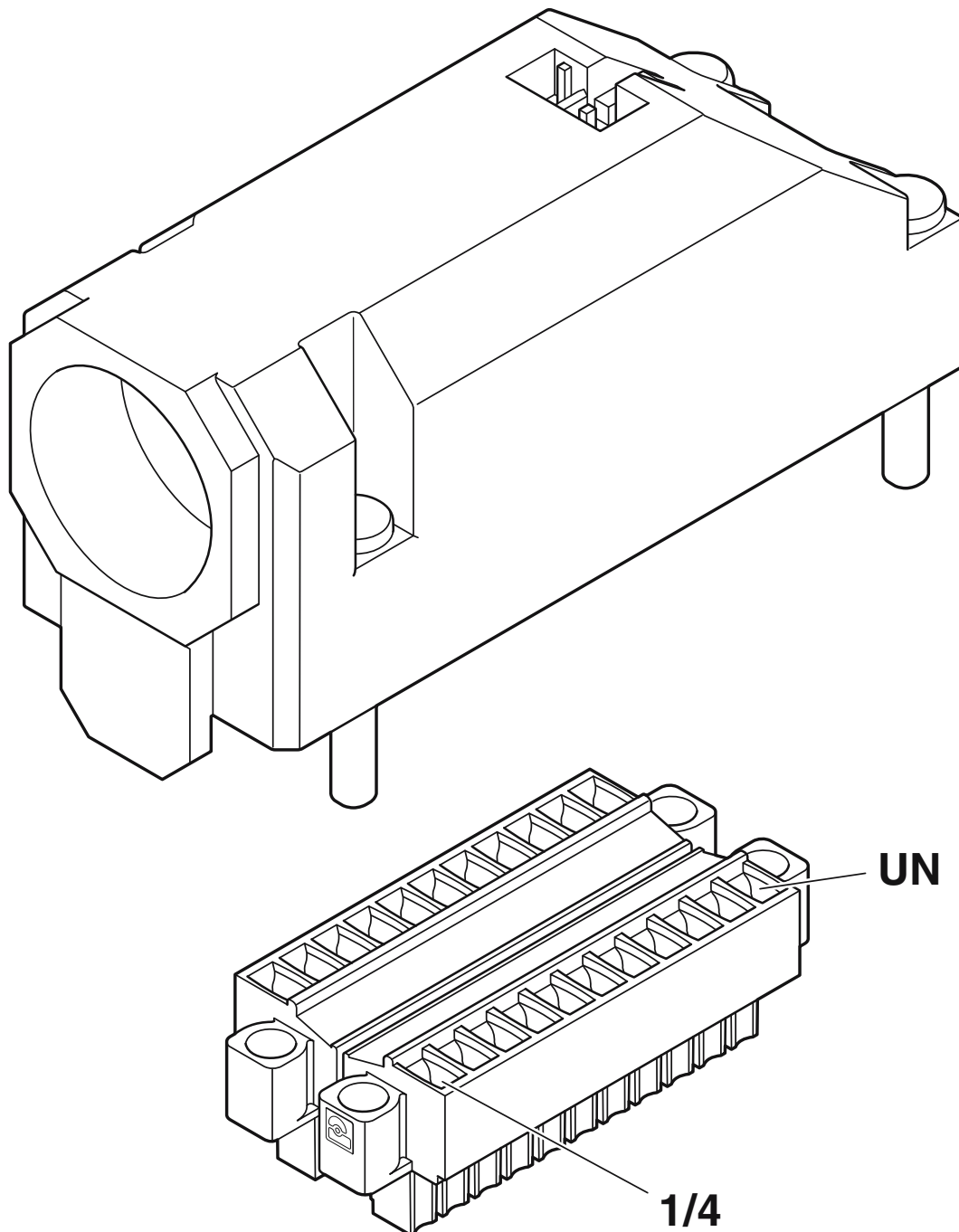
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Drawings

Schematic diagram



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

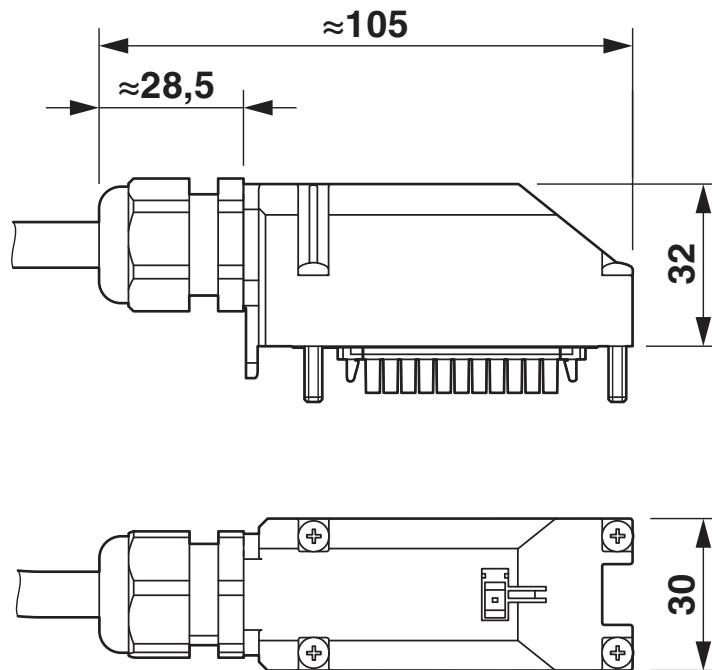
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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1197646>

UL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	-	-	-

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	24 V	-	-	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-12.0	27440111
ECLASS-13.0	27440111

ETIM

ETIM 9.0	EC003558
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UNSPSC

UNSPSC 21.0	31251500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Mandatory accessories

SACB-10/3-L-C-M8 HD GG - Distributor box header

1197623

<https://www.phoenixcontact.com/in/products/1197623>



Distributor box header, application: Standard, connection method: M8 socket Metal, number of slots: 10, number of positions: 3, coding: A, slot assignment: single, status display: Yes, PNP; master cable connection: Plug-in master cable connection, shielding: no

Accessories

SACB-10X0,34/2X0,75-50 PUR - Master cable ring

1517602

<https://www.phoenixcontact.com/in/products/1517602>



Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 12-pos., 10 x 0.34 mm² and 2 x 0.75 mm², length: 50 m

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UCT-TM 6 - Marker for terminal blocks

0828736

<https://www.phoenixcontact.com/in/products/0828736>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: latching, for terminal block width: 6.2 mm, Number of individual labels: 60, text field height: 10.5 mm, text field width: 5.6 mm

TSD 25 SAC - Torque screwdriver

1212315

<https://www.phoenixcontact.com/in/products/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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SAC BIT HOOD-W 24 - Tool

1212486

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



SZK PZ2 VDE - Screwdriver

1206463

<https://www.phoenixcontact.com/in/products/1206463>

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



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SZS 0,4X2,5 VDE - Screwdriver

1205037

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

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

1212607

<https://www.phoenixcontact.com/in/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

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SF-M BH - Screwdriver

1212070

<https://www.phoenixcontact.com/in/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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