

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



1197643

<https://www.phoenixcontact.com/in/products/1197643>

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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: Pluggable screw connection 180°, shielding: no

Your advantages

- Flexible, distributed bundling of signals in one master cable

Commercial data

Item number	1197643
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	AF3BCG
GTIN	4063151257958
Weight per piece (including packing)	73.2 g
Weight per piece (excluding packing)	73.2 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	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

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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1-8 / 1 (+ 24 V) = U_N

1-8 / 3 (0 V) = 0 V

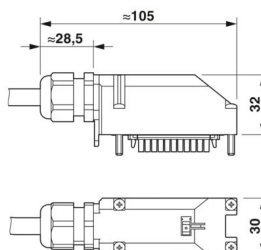
Signaling

Status display present

No

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

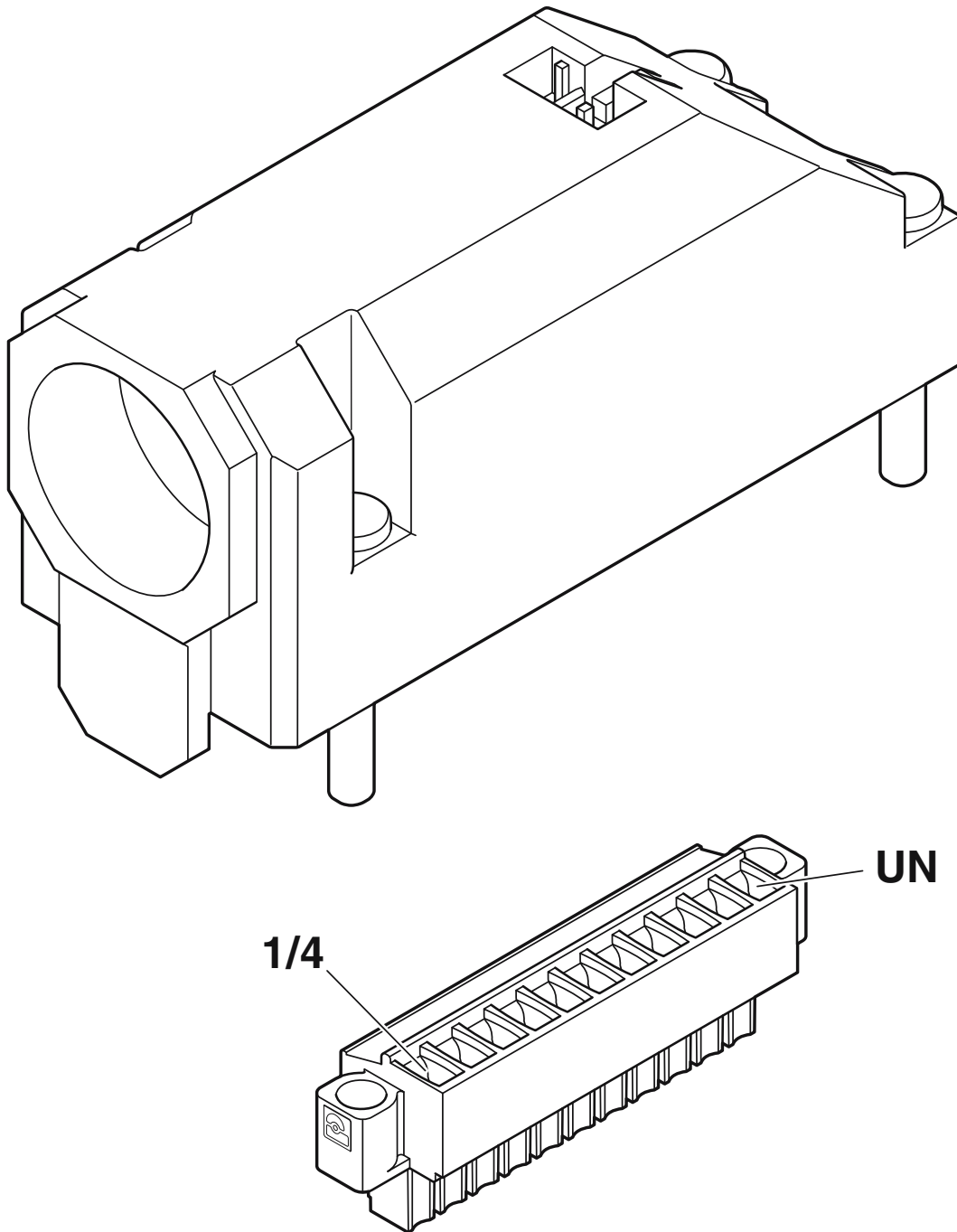
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Drawings

Schematic diagram



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

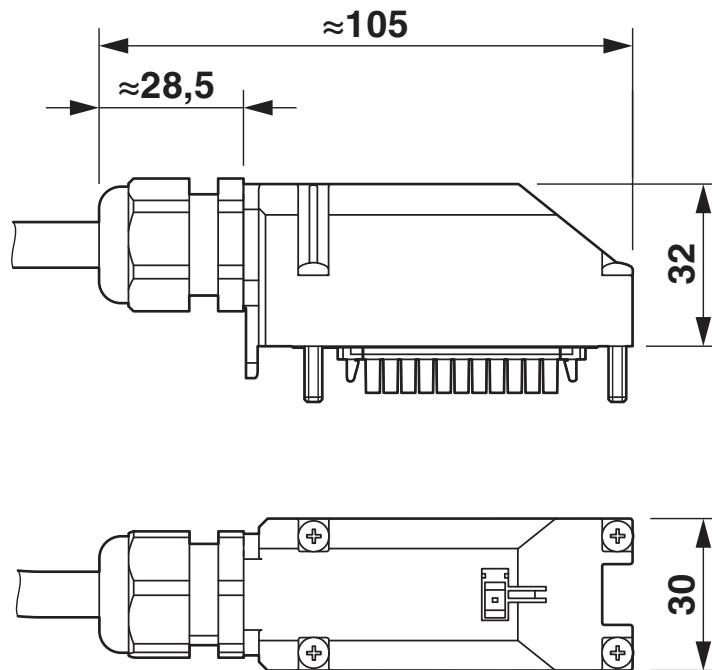
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Dimensional drawing



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Approvals

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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
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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- 8/3-L-C-M8 HD GG - Distributor box header

1197612

<https://www.phoenixcontact.com/in/products/1197612>



Distributor box header, application: Standard, connection method: M8 socket Metal, number of slots: 8, 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- 8X0,34/2X0,75-50 PUR - Master cable ring

1517592

<https://www.phoenixcontact.com/in/products/1517592>



Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 10-pos., 8 x 0.34 mm² and 2 x 0.75 mm², length: 50 m

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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

SAC BIT HOOD-W 24 - Tool

1212486

<https://www.phoenixcontact.com/in/products/1212486>



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

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SZK PZ2 VDE - Screwdriver

1206463

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

SZS 0,4X2,5 VDE - Screwdriver

1205037

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

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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