

1197657

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

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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: 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	BF40
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

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



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## Technical data

### Notes

Assembly 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.

### Product properties

Product type	Connector hood
Application	Standard
Number of positions	3
Number of slots	8

### Data management status

Article revision	01
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### 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	Plug-in push-in spring-cage connection
Conductor cross section Flexible signal line	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section Flexible power supply	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG Flexible signal line	24 ... 16
Connection cross section AWG Flexible power supply	24 ... 16
Stripping length Signal line	10 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

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	8 / 4 (A) = 8 / 4
	1-8 / 1 (+ 24 V) = U <sub>N</sub>
	1-8 / 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

Connection method	Plug-in push-in spring-cage connection
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## Environmental and real-life conditions

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

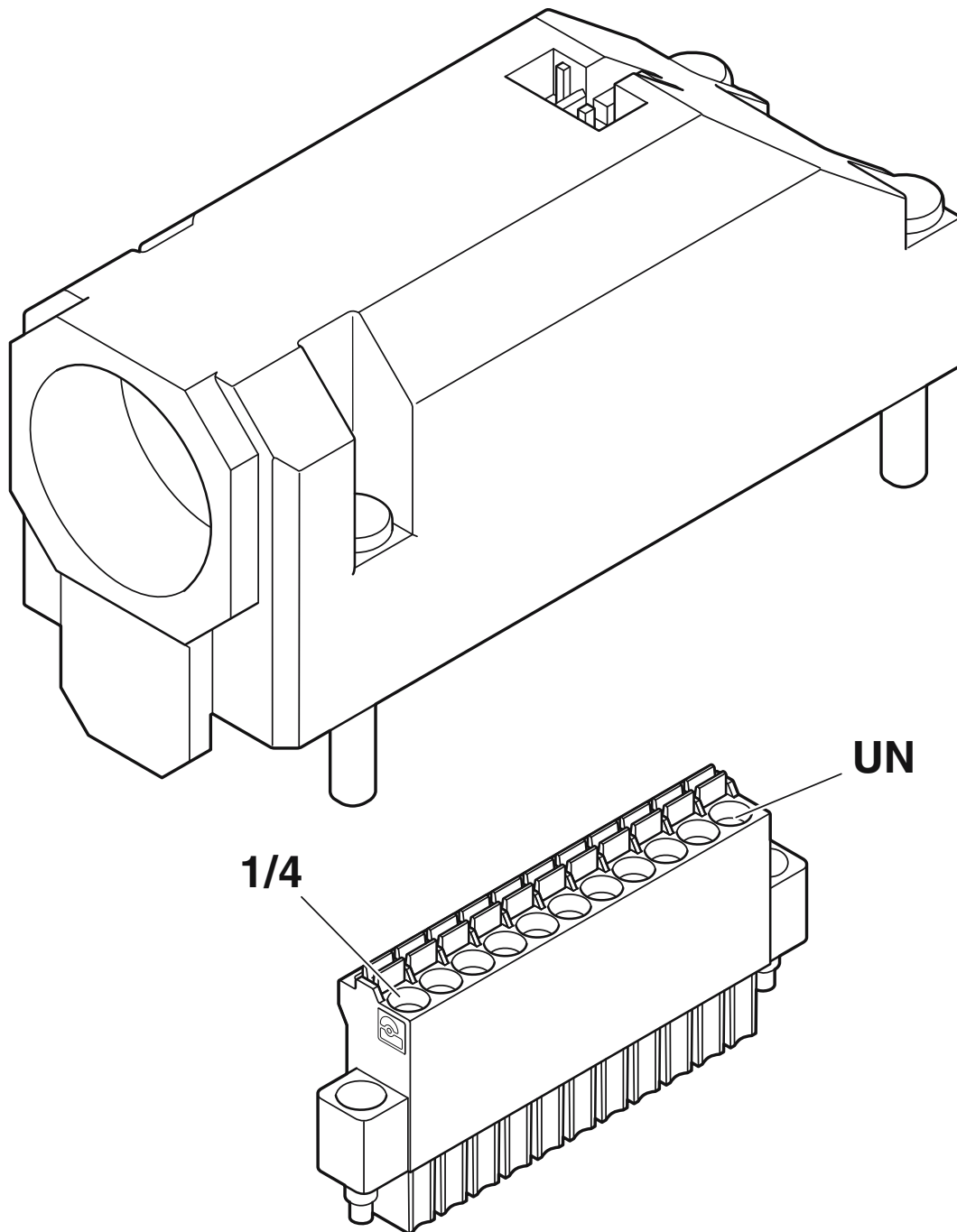
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## Drawings

Schematic diagram



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

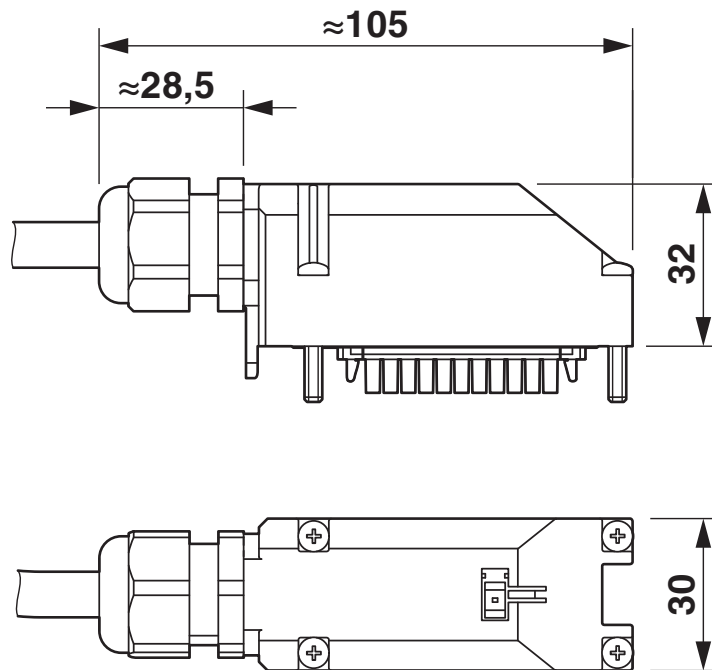
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Dimensional drawing



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

1197612

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

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## Accessories

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

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<sup>2</sup> and 2 x 0.75 mm<sup>2</sup>, length: 50 m



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## TSD 25 SAC - Torque screwdriver

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

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## SAC BIT HOOD-W 24 - Tool

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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## SZK PZ2 VDE - Screwdriver

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

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

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

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

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## SF-M BH - Screwdriver

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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