

# SACB-PT-H180- 6/3-M8 HD - Connector hood



1197654

<https://www.phoenixcontact.com/us/products/1197654>

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Connector hood, application: Standard, connection method: M8 socket Metal, number of slots: 6, number of positions: 3, slot assignment: single, status display: no, Universal; master cable connection: plug-in push-in spring connection 180°, shielding: no

## Your advantages

- Flexible, distributed bundling of signals in one master cable

## Commercial data

Item number	1197654
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF40
Product key	AF3BCG
GTIN	4063151257491
Weight per piece (including packing)	71.5 g
Weight per piece (excluding packing)	71 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Notes

Assembly note	<b>NOTE:</b> 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.
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### Product properties

Product type	Connector hood
Application	Standard
Number of positions	3
Number of slots	6

### 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 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

#### Connection 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
	1-6 / 1 (+ 24 V) = $U_N$
1-6 / 3 (0 V) = 0 V	

### Signaling

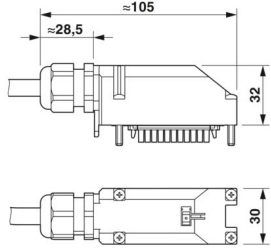
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Status display present	no
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## Dimensions

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	plug-in push-in spring connection

## Environmental and real-life conditions

### Ambient conditions

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

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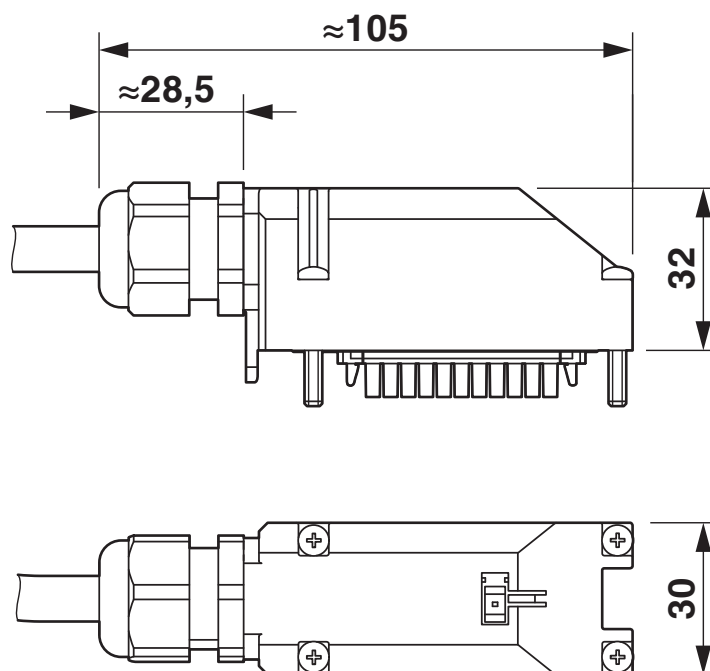
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## Drawings

Dimensional drawing

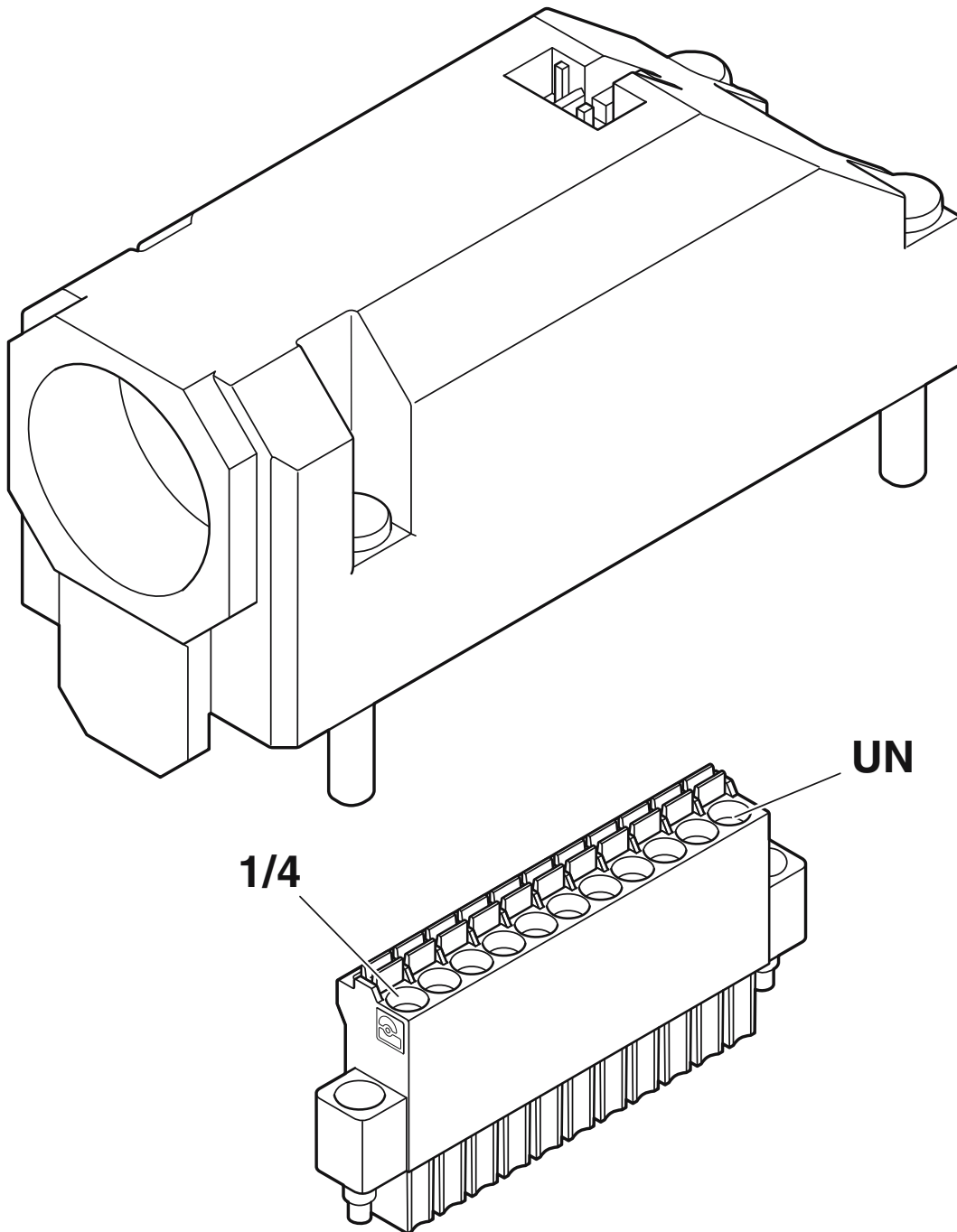


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Schematic diagram



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

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## Classifications

### ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

### ETIM

ETIM 10.0	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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