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

1197646

https://www.phoenixcontact.com/us/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 | BF40 |
| 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 |

## 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 mm² ... 1.5 mm² |
| Conductor cross-section Flexible power supply | 0.14 mm² ... 1.5 mm² |
| 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 |

#### Connection assignment

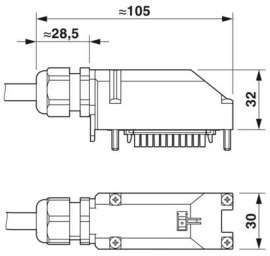
| | |
|---|---|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1 / 4 |
| | 2 / 4 (A) = 2 / 4 |
| | 3 / 4 (A) = 3 / 4 |
| | 4 / 4 (A) = 4 / 4 |
| | 5 / 4 (A) = 5 / 4 |
| | 6 / 4 (A) = 6 / 4 |
| | 7 / 4 (A) = 7 / 4 |
| | 8 / 4 (A) = 8 / 4 |

| | |
|---|---|
| | 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 |

## 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) |
| Material grommet GRP | 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 |

## Cable/line

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

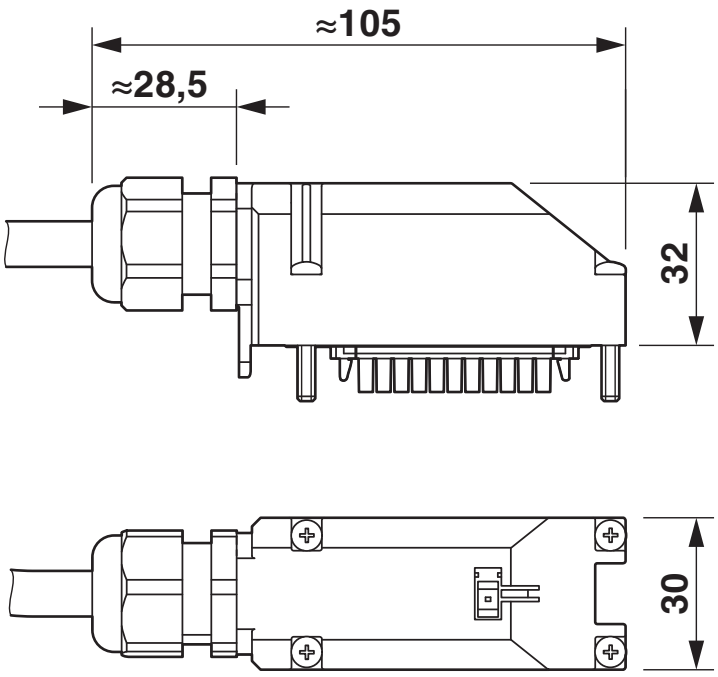
## Environmental and real-life conditions

Ambient conditions

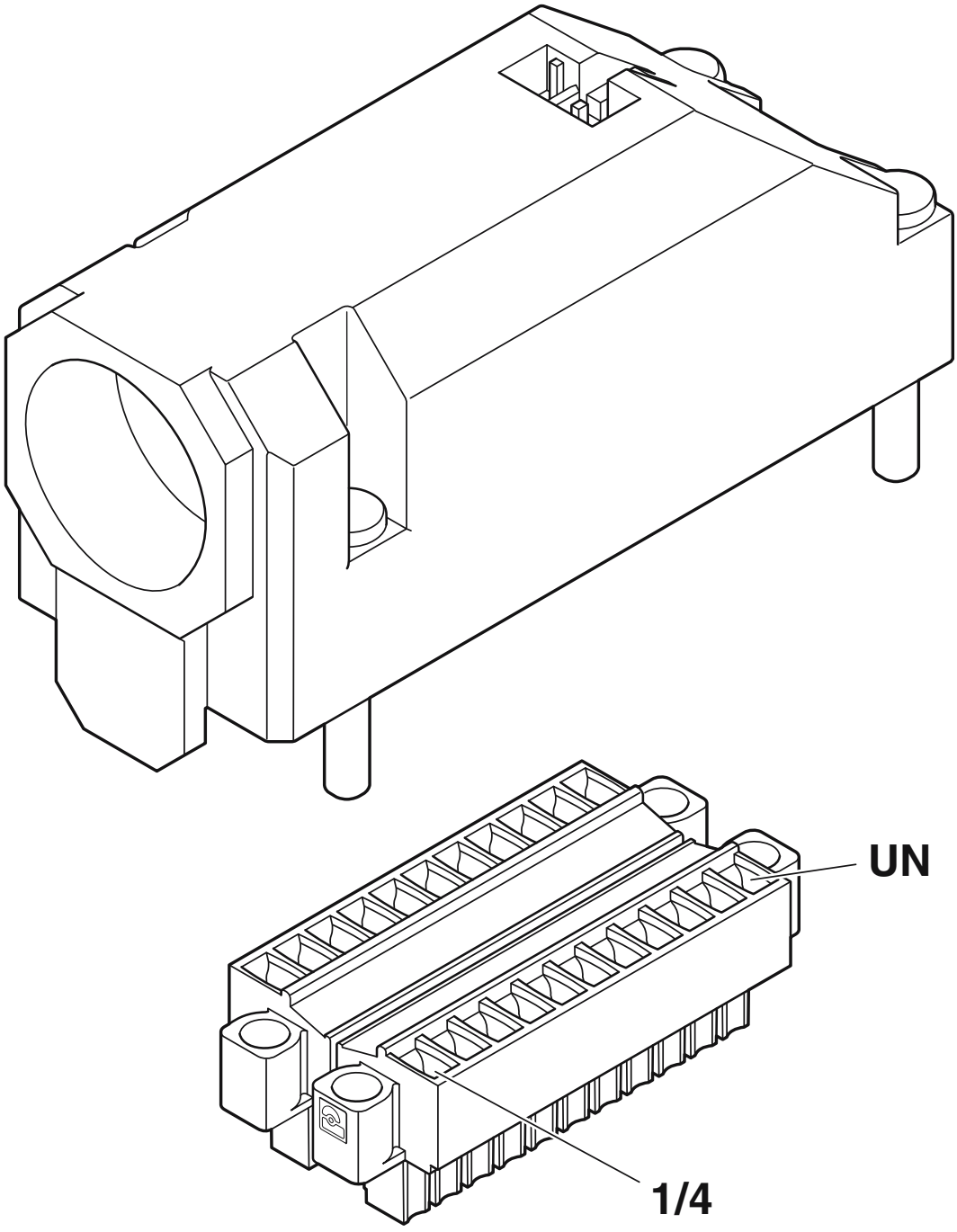
| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -25 °C ... 80 °C |

## Drawings

Dimensional drawing



Schematic diagram




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

## Approvals

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

**UL Recognized**
Approval ID: FILE E 118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 24 V | - | - | - |

**cUL Recognized**
Approval ID: FILE E 118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 24 V | - | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440111 |
| ECLASS-15.0 | 27440111 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003558 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 31251500 |

## 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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