

1197636

https://www.phoenixcontact.com/us/products/1197636

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector hood, application: Sensor/actuator box, 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°, PUR/PVC, cable length: 15 m, shielding: no

Your advantages

• Flexible, distributed bundling of signals in one master cable

Commercial data

| Item number | 1197636 |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF40 |
| Product key | BF3BCG |
| GTIN | 4063151258504 |
| Weight per piece (including packing) | 1,800 g |
| Weight per piece (excluding packing) | 1,724.5 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |



1197636

https://www.phoenixcontact.com/us/products/1197636

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 | Sensor/actuator box |
| 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 |
| Tightening torque, cover screw | 1 Nm |

| Pin assignment | |
|--|--|
| Slot/position = Wire color or connection | 1 / 4 (A) = 1 / 4 = WH |
| | 2 / 4 (A) = 2 / 4 = GN |
| | 3 / 4 (A) = 3 / 4 = YE |
| | 4 / 4 (A) = 4 / 4 = GY |
| | 5 / 4 (A) = 5 / 4 = PK |
| | 6 / 4 (A) = 6 / 4 = RD |
| | 7 / 4 (A) = 7 / 4 = BK |
| | 8 / 4 (A) = 8 / 4 = VT |
| | 9 / 4 (A) = 9 / 4 = WHPK |
| | 10 / 4 (A) = 10 / 4 = PKBN |
| | 1-10 / 1 (+24 V) = U _N = BN |
| | 1-10 / 3 (0 V) = 0 V = BU |

Signaling

| Status display present | No |
|------------------------|----|
|------------------------|----|



1197636

https://www.phoenixcontact.com/us/products/1197636

Dimensions

| Dimensional drawing | 28.5 28.5 28.5 28.5 28.5 |
|---------------------|--------------------------------------|
| Width | 30 mm |
| Height | 32 mm |
| Length | 105 mm |

Material specifications

| Material Housing | PBT |
|--|------------|
| Material Cable gland | PA 6 |
| 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

| Cable length | 15 m |
|--------------|------|
|--------------|------|

PUR/PVC black [PUR]

Dimensional drawing



| Cable weight | 111.1 kg/km |
|---------------------------------|------------------------------|
| UL AWM Style | 20549 |
| Number of positions | 12 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 19x 0.15 mm |
| AWG signal line | 22 |
| Conductor cross section | 10x 0.34 mm² (Signal line) |
| | 2x 0.75 mm² (power line) |
| Wire diameter incl. insulation | 1.3 mm ±0.1 mm (Signal line) |
| | 1.8 mm ±0.1 mm (power line) |



1197636

https://www.phoenixcontact.com/us/products/1197636

| External cable diameter | 8.60 mm ±0.2 mm |
|---|---|
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, white, green, yellow, gray, pink, red, black, violet, white/pink, pink/brown |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.38 mm |
| Overall twist | Wires twisted in layers |
| Nominal voltage, cable | 300 V |
| Test voltage | 2000 V |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 65 mm |
| Smallest bending radius, movable installation | 86 mm |
| Max. bending cycles | 1500000 |
| Bending radius | 86 mm |
| Traversing path | 2 m |
| Traversing rate | 2 m/s |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | according to VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Special properties | Silicone-free |
| Ambient temperature (operation) | -40 °C 90 °C (cable, fixed installation) |
| | -5 °C 80 °C (Cable, flexible installation) |
| | 80 °C (in acc. with UL) |

Environmental and real-life conditions

Ambient conditions

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

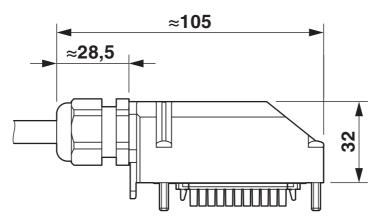


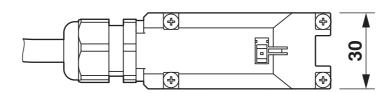
1197636

https://www.phoenixcontact.com/us/products/1197636

Drawings

Dimensional drawing







1197636

https://www.phoenixcontact.com/us/products/1197636

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1197636

| 71 | UL Recognized Approval ID: FILE E 118 | 976 | | | |
|----|--|--------------------------------|--------------------------------|-------------------|-------------------------------|
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG | Cross section mm ² |
| | | 24 V | - | - | - |

| . 91 | cUL Recognized Approval ID: FILE E 118 | 976 | | | |
|-------------|---|--------------------------------|--------------------------------|-------------------|-------------------------------|
| | | Nominal voltage U _N | Nominal current I _N | Cross section AWG | Cross section mm ² |
| | | 24 V | - | - | - |

cULus Recognized



1197636

https://www.phoenixcontact.com/us/products/1197636

Classifications

ECLASS

| ECLASS-11.0 | 27440108 |
|-------------|----------|
| ECLASS-12.0 | 27440108 |
| ECLASS-13.0 | 27440108 |
| ETIM | |
| | |
| ETIM 9.0 | EC002585 |
| | |
| LINICDCO | |



1197636

https://www.phoenixcontact.com/us/products/1197636

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% |



1197636

https://www.phoenixcontact.com/us/products/1197636

Mandatory accessories

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

1197623

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

UCT-TM 6 - Marker for terminal blocks

0828736

https://www.phoenixcontact.com/us/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: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60



1197636

https://www.phoenixcontact.com/us/products/1197636

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

SZS 0,4X2,5 VDE - Screwdriver

1205037

https://www.phoenixcontact.com/us/products/1205037



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



1197636

https://www.phoenixcontact.com/us/products/1197636

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: $0.45 \times 2.4 \times 70$ mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

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

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com