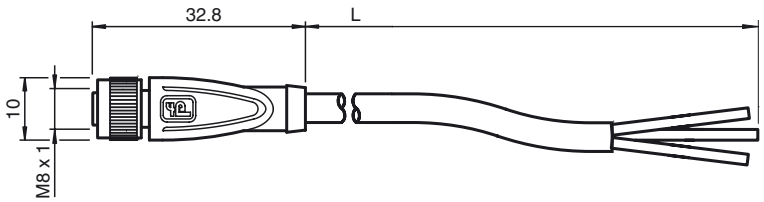


## Dimensions




## Model Number

**V3-GM-5M-PUR**

Female cordset single-ended, M8, 3-pin, PUR cable

## Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Halogen-free
- Resistant to microbes and hydrolysis

## Accessories

**MH V3-SCREWDRIVER**
torque screwdriver (0.4 Nm)

**MH V3-BIT M8**
plug-in cap for M8

**MH V3-Holder**
Modular universal holder for M8 connectors

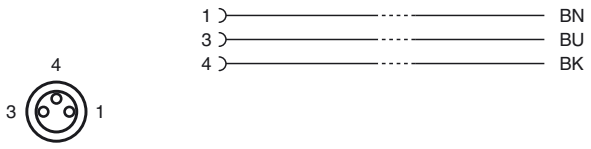
**V1/V3-LABEL**
Label plate

**V1/V3-LABELHOLDER**
Label holder

## Technical data

| | | |
|---|---|---|
| **General specifications** | | |
| Number of pins | | 3 |
| Connection 1 | | socket |
| Construction type 1 | | straight |
| Threading 1 | | M8 |
| Connection 2 | | cable end |
| **Electrical specifications** | | |
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 3 A |
| Volume resistance | | < 5 mΩ |
| **Ambient conditions** | | |
| Ambient temperature | | -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
| Pollution degree | | 3 |
| **Mechanical specifications** | | |
| Contact elements | | spring-loaded contact socket |
| Pin diameter | | 1 mm |
| Degree of protection | | IP67 |
| Material | | |
| Contacts | | CuSn / Au |
| Contact surface | | Au |
| Body | | TPU, black |
| Cable | | PUR |
| Slotted nut | | Diecast zinc |
| Core insulation | | PP |
| Cable | | fine-strand, flexible |
| Sheath diameter | | Ø 4.3 mm |
| Bending radius | | > 15 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Color | | grey |
| Cores | | 3 x 0.25 $mm^2$ |
| Conductor construction | | 14 x 0.15 mm Ø |
| Length | L | 5 m |
| Flammability | | |
| Contact carrier | | 94 HB |
| Housing | | 94 V-2 |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| Specification | | connector M8 x 1 : IEC 61076-2-104 |

## Electrical connection




Release date: 2019-07-15 13:59 Date of issue: 2019-07-15 024772_eng.xml