



### Model Number

#### V3-GM-10M-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

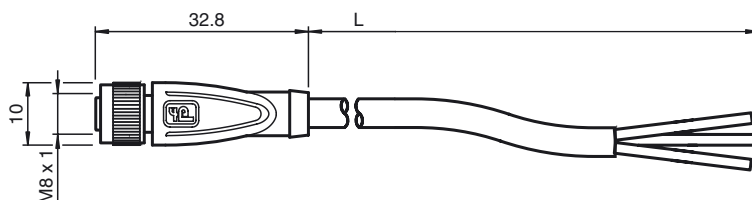
#### V1/V3-LABEL

Label plate

#### V1/V3-LABELHOLDER

Label holder

### Dimensions



### 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 <sup>2</sup>                                     |
| Conductor construction | 14 x 0.15 mm Ø                                               |
| Length                 | L                                                            |
| 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

