



### Model Number

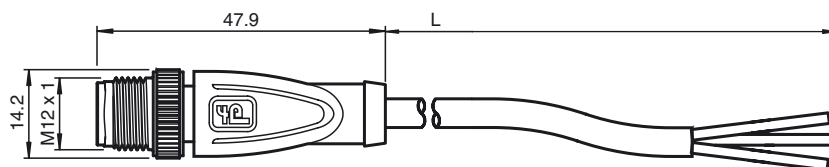
#### V11S-G-BK5M-PUR-U

Male single-ended cordset, M12, 3-pin, PUR cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Halogen-free
- Suitable for drag chains

### Dimensions



### Technical data

#### General specifications

|                |         |
|----------------|---------|
| Number of pins | 3       |
| UL File Number | E231213 |

#### Electrical specifications

|                   |       |                            |
|-------------------|-------|----------------------------|
| Operating voltage | $U_B$ | max. 300 V DC              |
| Test voltage      |       | > 1500 V <sub>eff</sub> AC |
| Operating current | $I_B$ | max. 4 A                   |
| Volume resistance |       | < 5 mΩ                     |

#### Ambient conditions

|                     |                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F) |
| Pollution Degree    | 3                                                                                                                                     |

#### Mechanical specifications

|                      |                              |
|----------------------|------------------------------|
| Contact elements     | spring-loaded contact socket |
| Pin diameter         | 1 mm                         |
| Degree of protection | IP67 / IP68 / IP69k          |

#### Material

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Contacts               | CuSn / Au                                                    |
| Contact surface        | Au                                                           |
| Body                   | TPU, black                                                   |
| Cable                  | PUR                                                          |
| Slotted nut            | Diecast zinc                                                 |
| Core insulation        | PP                                                           |
| Cable                  | extra-fine wire, flexible                                    |
| Sheath diameter        | Ø 4.3 mm                                                     |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | black                                                        |
| Cores                  | 3 x 0.34 mm <sup>2</sup>                                     |
| Conductor construction | 42 x 0.1 mm Ø                                                |
| Length                 | L 5 m                                                        |

#### Drag chain suitability

|                   |                      |
|-------------------|----------------------|
| Drag chain cycles | ≥ 5000000            |
| Motion velocity   | ≤ 3.3 m/s            |
| Acceleration      | ≤ 5 m/s <sup>2</sup> |
| Torsional stress  | ± 180 °/m            |

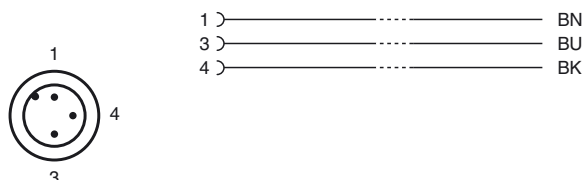
#### Flammability

|                  |     |
|------------------|-----|
| Contact material | HB  |
| Housing          | V-2 |
| Cable            | FT2 |

#### Compliance with standards and directives

|                     |
|---------------------|
| Standard conformity |
|---------------------|

### Electrical connection





|                                                            |                                                               |
|------------------------------------------------------------|---------------------------------------------------------------|
| Degree of protection                                       | EN 60529:2000                                                 |
| Standards                                                  | IEC 61076-2-101:2008                                          |
| Flammability                                               | Body: UL 94<br>Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Halogen-free                                               | IEC 60754-1:1994                                              |
| <b>Approvals and certificates</b>                          |                                                               |
| UL approval                                                | UL Recognized General purpose                                 |
| Maximum permissible operating voltage ≤ 30 V               |                                                               |
| Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F) |                                                               |

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