



### Model Number

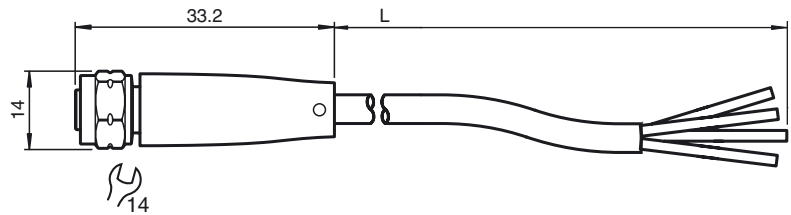
#### V1-GV4A-5M-PP-W1

Single-ended female cordset, M12, V4A stainless steel, wash-down design, 4-pin, PP cable

### Features

- Suitable for applications in the splash area in the food and beverage industry
- Certified by ECOLAB
- Resistant to all common acid and alkaline cleaning products and disinfectants
- Degree of protection IP67 / IP68 / IP69
- Suitable for drag chains
- Halogen-free (PVC-free)
- Materials used compliant with FDA

### Dimensions



### Technical data

#### General specifications

|                |   |
|----------------|---|
| Number of pins | 4 |
|----------------|---|

#### Electrical specifications

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current | $I_B$ | max. 4 A         |

#### Ambient conditions

|                     |                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------|
| Ambient temperature | cable, flexing: -25 ... 105 °C (-13 ... 221 °F)<br>cable, fixed: -40 ... 105 °C (-40 ... 221 °F) |
|---------------------|--------------------------------------------------------------------------------------------------|

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

#### Mechanical specifications

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                           |
| Degree of protection   | IP67 / IP68 / IP69                                                     |
| Material               |                                                                        |
| Contacts               | CuSn                                                                   |
| Contact surface        | Ni/Au                                                                  |
| Body                   | PP                                                                     |
| Cable                  | PP-EPDM                                                                |
| Slotted nut            | stainless steel V4A                                                    |
| Seal                   | FKM                                                                    |
| Core insulation        | PP                                                                     |
| Temperature resistance | Cold bending-resistant and cold impact-resistant up to -40 °C (-40 °F) |

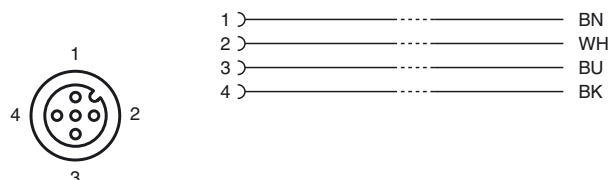
|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Cable                  | extra-fine wire, flexible                                    |
| Sheath diameter        | Ø 4.7 mm                                                     |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | grey                                                         |
| Cores                  | 4 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              | ≥ 4000000             |
| Motion velocity                | ≤ 3 m/s               |
| Traverse distance              | 10 m                  |
| Acceleration                   | ≤ 10 m/s <sup>2</sup> |
| Torsion cycles                 | ≥ 4000000             |
| Torsional stress               | ± 270 °/m             |
| Tightening torque, cable gland | 0.4 ... 0.6 Nm        |
| Mating cycles                  | ≥ 100                 |

#### Compliance with standards and directives

|                      |                 |
|----------------------|-----------------|
| Standard conformity  |                 |
| Degree of protection | EN 60529        |
| Standards            | IEC 61076-2-101 |

### Electrical connection





|                        |                                                      |
|------------------------|------------------------------------------------------|
| Halogen-free           | IEC 60754-1                                          |
| Temperature resistance | DIN EN 60811-1-4                                     |
| Material               | FDA-compliant in accordance with FDA 21 CFR 177.2600 |

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