



### Model Number

#### V1-WV4A-5M-PP-H1-V1-WV4A

Cordset, M12 to M12, V4A stainless steel, hygienic design, 4-pin, PP cable

### Features

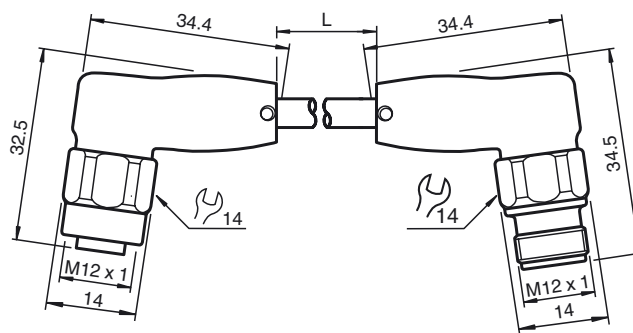
- Suitable for applications involving contact with products in the food and beverage industry
- Certified by ECOLAB
- Resistant to all common acid and alkaline cleaning products and disinfectants
- Degree of protection IP67 / IP68 / IP69
- Suitable for drag chains
- Halogen-free (PVC-free)
- Materials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

### Accessories

**MH V1-SCREWDRIVER**  
torque screwdriver (0.6 Nm)

**MH V1-BIT M12-W14-HEX**  
Plug-in attachment for M12 with hex stainless steel knurled nut

### Dimensions



### Technical data

#### General specifications

|                     |                |
|---------------------|----------------|
| Number of pins      | 4              |
| Connection 1        | socket         |
| Construction type 1 | right angle    |
| Threading 1         | M12            |
| Connection 2        | Male connector |
| Construction type 2 | right angle    |
| Threading 2         | M12            |

#### Electrical specifications

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

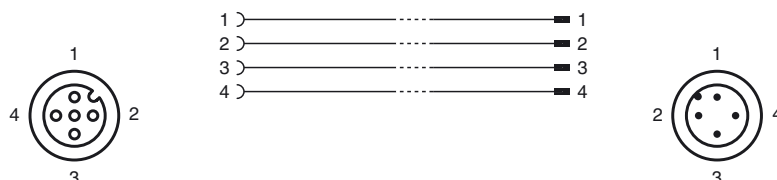
#### Ambient conditions

|                     |                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------|
| 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                                           |
| Pin diameter           | 1 mm                                                                   |
| 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                                                              |

### Electrical connection





|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Tightening torque, cable gland                  | 0.4 ... 0.6 Nm                                       |
| Mating cycles                                   | ≥ 100                                                |
| <b>Compliance with standards and directives</b> |                                                      |
| Standard conformity                             |                                                      |
| Degree of protection                            | EN 60529                                             |
| Standards                                       | IEC 61076-2-101                                      |
| 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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