



Model Number

V1-GV4A-2M-PP-H1

Single-ended female cordset, 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

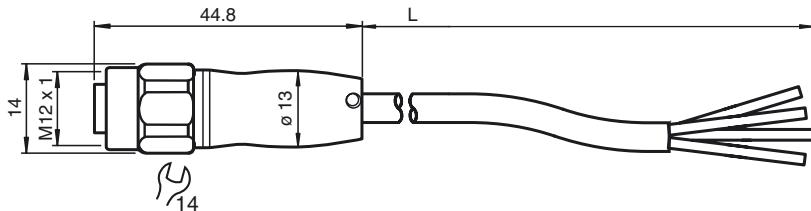
MH V1-SCREWDRIVER

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 | straight |
| Threading 1 | M12 |
| Connection 2 | cable end |

Electrical specifications

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

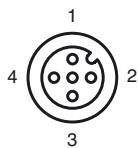
Ambient conditions

| | |
|---------------------|--|
| Ambient temperature | cable, flexing: -25 ... 105 °C (-13 ... 221 °F) 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 > 5 x cable diameter, fixed |
| Color | grey |
| Cores | 4 x 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm Ø |
| Length | L |
| Drag chain suitability | |
| Drag chain cycles | ≥ 4000000 |
| Motion velocity | ≤ 3 m/s |
| Traverse distance | 10 m |
| Acceleration | ≤ 10 m/s ² |
| Torsion cycles | ≥ 4000000 |
| Torsional stress | ± 270 °/m |
| Tightening torque, cable gland | 0.4 ... 0.6 Nm |
| Mating cycles | ≥ 100 |

Electrical connection



| | |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |

Compliance with standards and directives

| | |
|------------------------|--|
| 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 |