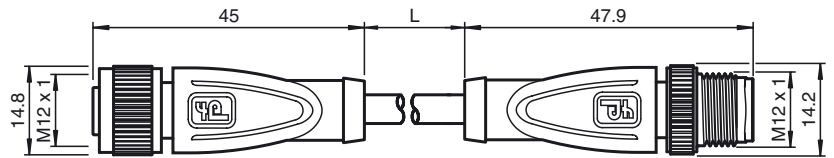


Dimensions



Model Number

V1-G-E8W-OR1M-POC-V1-G

Connection cable, M12 to M12, 4-pin, TPE cable, welding-bead resistant

Features

- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Degree of protection IP67 / IP68 / IP69K

Technical data

General specifications

Number of pins 4

Electrical specifications

Operating voltage U_B max. 24 V DC \pm 15%
 Operating current I_B max. 4 A
 Volume resistance $<$ 5 m Ω

Ambient conditions

Ambient temperature Body: -40 ... 90 °C (-40 ... 194 °F)
 Cable, flexing:
 -15 ... 120 °C (5 ... 248 °F) for 20000 h
 -15 ... 150 °C (5 ... 302 °F) for 3000 h
 cable, fixed:
 -40 ... 120 °C (-40 ... 248 °F) for 20000 h
 -40 ... 150 °C (-40 ... 302 °F) for 3000 h
 Pollution degree 3

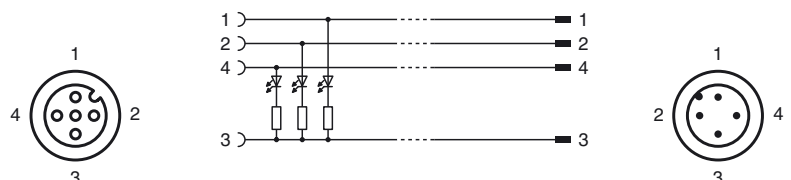
Mechanical specifications

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, transparent
 TPU, black
 Cable TPE resistant to welding bead formation
 Slotted nut Diecast zinc
 Sleeve connector Diecast zinc
 Core insulation ETFE
 Cable fine-strand, flexible
 Sheath diameter \varnothing 4.8 mm
 Bending radius $>$ 10 x cable diameter, moving
 Color orange
 Cores 4 x 0.34 mm²
 Conductor construction 19 x 0.16 mm \varnothing
 Length L 1 m
 Flammability
 Contact carrier HB
 Housing V-2
 Cable flame-resistant

Compliance with standards and directives

Standard conformity
 Degree of protection EN 60529:2000
 Standards IEC 61076-2-101:2008

Electrical connection



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Flammability

Body: UL 94
Line: UL 1581 Section 1061; IEC 60332-1-2:2004

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