

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

Series 1P
Termination type Male crimp
IP rating 50
AWG wire size 0.00 - 22.00
Cable Ø 2.70 - 3.90 mm
Status active
Matching parts [PLG.M0.6GL.MV](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PA*: Straight plug with cable collet
Keying 1 key (alpha=0; Plug: male contact; Receptacle: female contact)
Housing Material PSU (Polysulfone), gray
Variant V : Green collet nut

Performance

Configuration 1P.M06 : 6 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 6 Amps

Specifications

Contact Type: Crimp
Contact Retention: 26 N
Contact Dia.: 0.7 mm (0.0275in)
Min. Conductor: 0.14 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.5 mOhm
Test voltage (kV rms) Contact-contact: 1.05
Air clearance min.: 1.2 mm
Creepage distance min.: 1.2 mm

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Others

Endurance (Shell): >2000 mating cycles

Temp (min / max): -50°C / +150°C

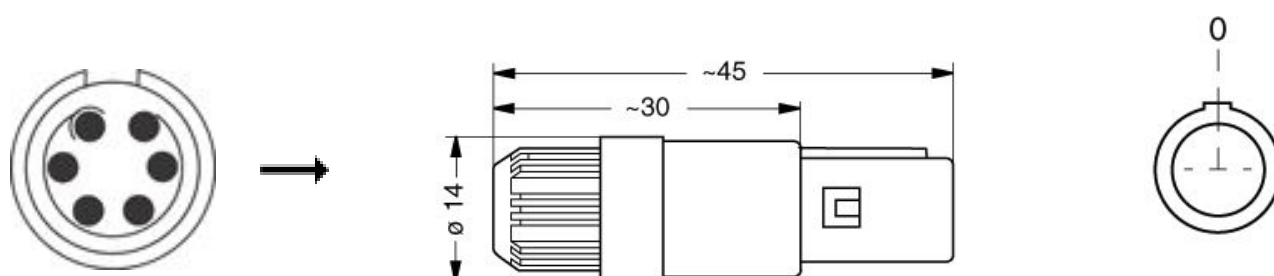
F ret (min): 50 N

F ret (max): 150 N

R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)

Steam sterilization: > 100 times (with potting on rear connection)

DRAWINGS



RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: [DCE.91.075.BVD](#)

Extractor: [DCF.91.073.5LT](#)

Replacement contact: SINGLE: FGG.5B.555.ZZD KIT OF 6: PAG.557.06C

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