

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series 1P
Termination type Male solder
IP rating 50
AWG wire size 0.00 - 22.00
Cable Ø 5.30 - 6.50 mm
Status active
Matching parts [PLC.M0.5GL.LV](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PA*: Straight plug with cable collet
Keying 2 keys (alpha=80; Plug: male contacts; Receptacle: female contacts)
Housing Material PSU (Polysulfone), gray
Variant V : Green collet nut

Performance

Configuration 1P.M05 : 5 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 7 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 4.5 mOhm
Test voltage (kV rms) Contact-contact: 1.05
Air clearance min.: 0.8 mm
Creepage distance min.: 0.8 mm

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Others

Endurance (Shell): >2000 mating cycles

Temp (min / max): -50°C / +150°C

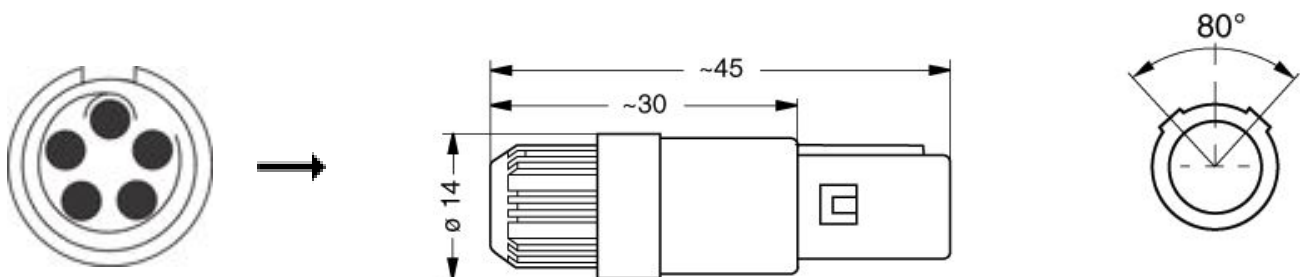
F ret (min): 50 N

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

Cables

150250	PVC	Grey	
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