

## SUMMARY

### # Wires

Low voltage 10



Image is for illustrative purpose only

Series 1P  
Termination type Male solder  
IP rating 50  
AWG wire size 0.00 - 28.00  
Cable Ø 2.70 - 3.90 mm  
Status active  
Matching parts [PLC.M1.0GL.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  
Weight 4.76 g

### Performance

Configuration 1P.M10 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 3 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.5 mm (0.0201in)  
Bucket Dia.: 0.45 mm (0.018in)  
Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.5 mOhm  
Test voltage (kV rms) Contact-contact: 0.85

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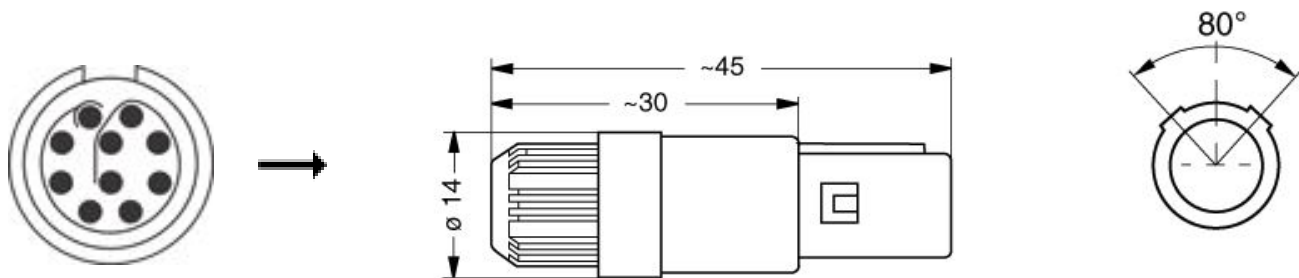
Air clearance min.: 0.55 mm  
Creepage distance min.: 0.55 mm

## 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)

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

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