

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 1P  
Termination type Male solder  
IP rating 50  
AWG wire size 0.00 - 0.00  
Cable Ø 5.30 - 6.50 mm  
Status active  
Matching parts [PLC.M0.2NL.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), black  
Variant V : Green collet nut

### Performance

Configuration 1P.M02 : 2 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 10 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 1.3 mm (0.0512in)  
Bucket Dia.: 1.1 mm (0.04in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.5 mOhm  
Test voltage (kV rms) Contact-contact: 1.2  
Air clearance min.: 1.3 mm  
Creepage distance min.: 1.3 mm

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## Others

Endurance (Shell): >2000 mating cycles

Temp (min / max): -50°C / +150°C

F ret (min): 50 N

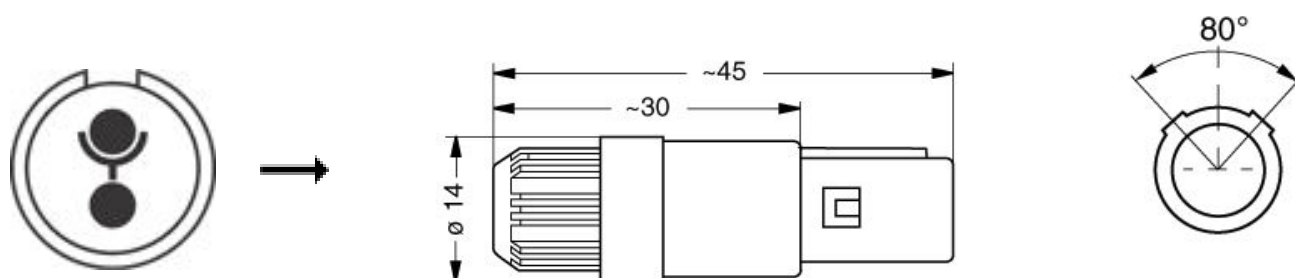
F ret (max): 150 N

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

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

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

### Cables

|        |     |       |  |
|--------|-----|-------|--|
| 102080 | PVC | Grey  |  |
| 120184 | PVC | Black |  |
| 120500 | PVC | Grey  |  |
| 120751 | PVC | Grey  |  |
| 220750 | PVC | Grey  |  |

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