

## 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 - 20.00  
Cable Ø 5.30 - 6.50 mm  
Status active  
Matching parts [PLG.M0.2GL.LR](#)

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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 R : Red collet nut  
Weight 4.86 g

### 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

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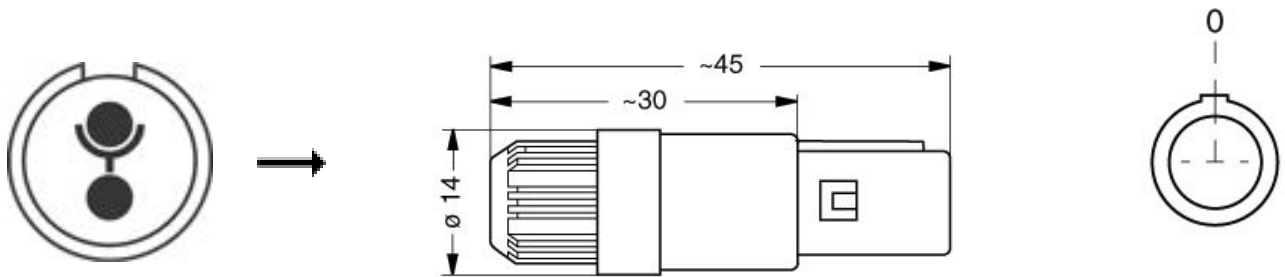
Air clearance min.: 1.3 mm  
Creepage distance min.: 1.3 mm

## Others

Endurance (Shell): >2000 mating cycles  
Temp (min / max): -50°C / +150°C  
F ret (min): 50 N  
F ret (max): 150 N  
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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