

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	1P
Termination type	Male solder
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	5.30 - 6.50 mm
Status	active
Matching parts	<a href="#">PLG.M0.2NL.LN</a>

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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), black
Variant	N : Black collet nut
Weight	4.29 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

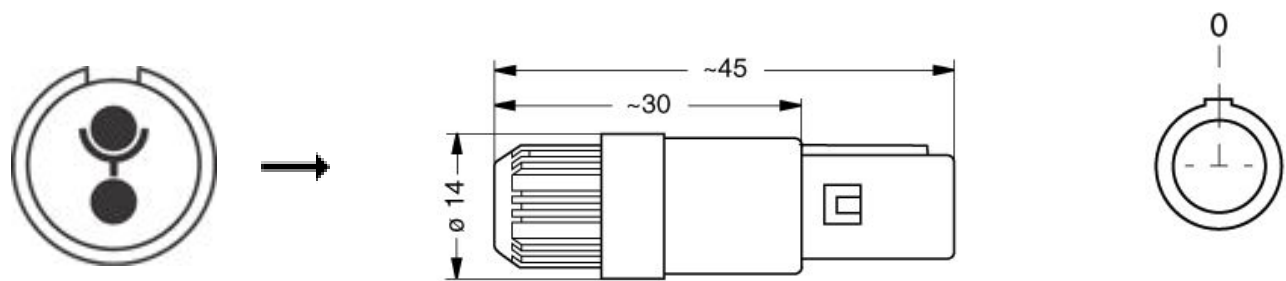
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Air clearance min.: 1.3 mm  
Creepage distance min.: 1.3 mm

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)

DRAWINGS



RECOMMENDED BY LEMO

Tools

Cables

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

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