

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series 1P  
Termination type Male solder  
IP rating 50  
AWG wire size 0.00 - 26.00  
Cable Ø 5.30 - 6.50 mm  
Status active  
Matching parts [PLG.M0.7TL.LN](#)

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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 PEI (Polyetherimide), black  
Variant N : Black collet nut  
Weight 5.12 g

### Performance

Configuration 1P.M07 : 7 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.0275in)  
Bucket Dia.: 0.6 mm (0.024in)  
Max. Solid Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Stranded Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
R (max): 6.5 mOhm  
Test voltage (kV rms) Contact-contact: 1.05

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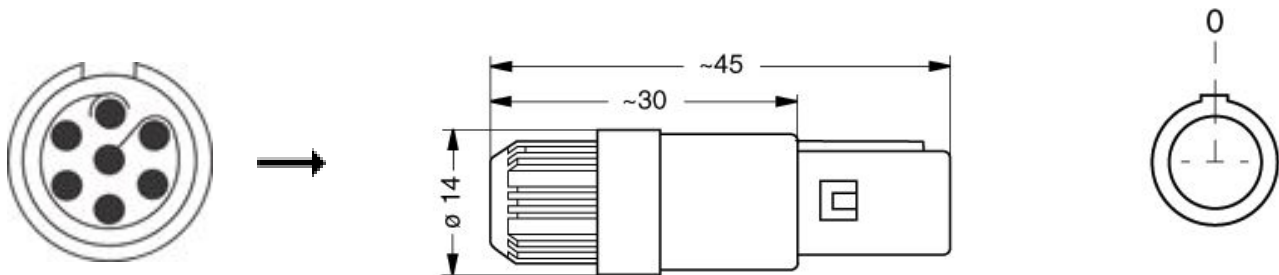
Air clearance min.: 0.85 mm  
Creepage distance min.: 0.85 mm

## Others

Endurance (Shell): >2000 mating cycles  
Temp (min / max): -50°C / +170°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

270250	PVC	Grey	
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