

## 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 4.00 - 5.20 mm  
Status active  
Matching parts [PLG.M0.7GL.LV](#)

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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 V : Green collet nut  
Weight 5.11 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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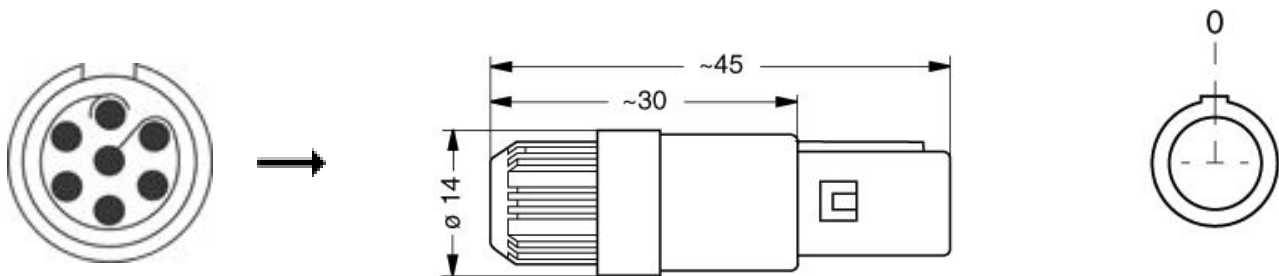
Air clearance min.: 0.85 mm  
Creepage distance min.: 0.85 mm

## Others

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

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			
70140	PVC	Grey	

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