

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series 1P
Termination type Male solder
IP rating 50
AWG wire size 0.00 - 0.00
Cable Ø 2.70 - 3.90 mm
Status active
Matching parts [PLA.M1.0TL.LN](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PA*: Straight plug with cable collet and nut for fitting a bend relief
Keying 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)
Housing Material PEI (Polyetherimide), black
Variant N : Black collet nut for bend relief

Performance

Configuration 1P.M10 : 10 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 3 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.0201in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.5 mOhm
Test voltage (kV rms) Contact-contact: 0.85
Air clearance min.: 0.55 mm
Creepage distance min.: 0.55 mm

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Others

Endurance (Shell): >2000 mating cycles

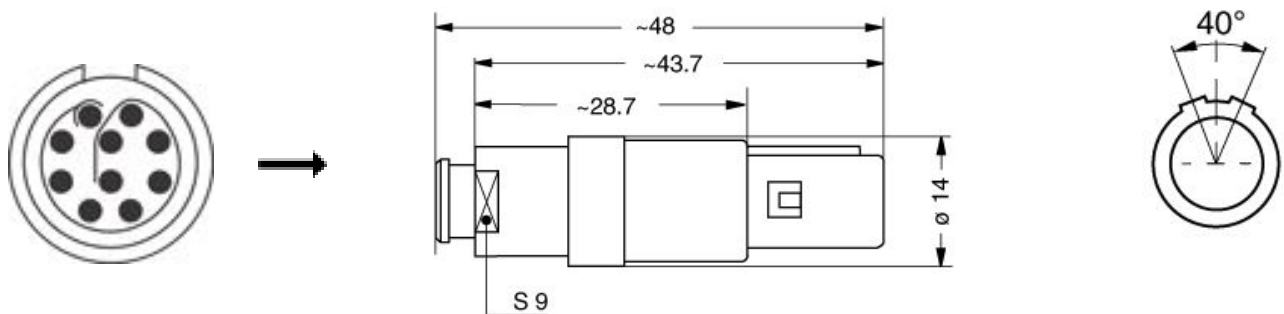
Temp (min / max): -50°C / +170°C

F ret (min): 50 N

F ret (max): 150 N

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

DRAWINGS



RECOMMENDED BY LEMO

Tools

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