

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series 1P
Termination type Female solder
IP rating 50
AWG wire size 0.00 - 28.00
Cable Ø 2.70 - 3.90 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PR*: Free receptacle with cable collet
Keying 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)
Housing Material PSU (Polysulfone), gray
Variant A : Blue collet nut
Weight 5.08 g

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

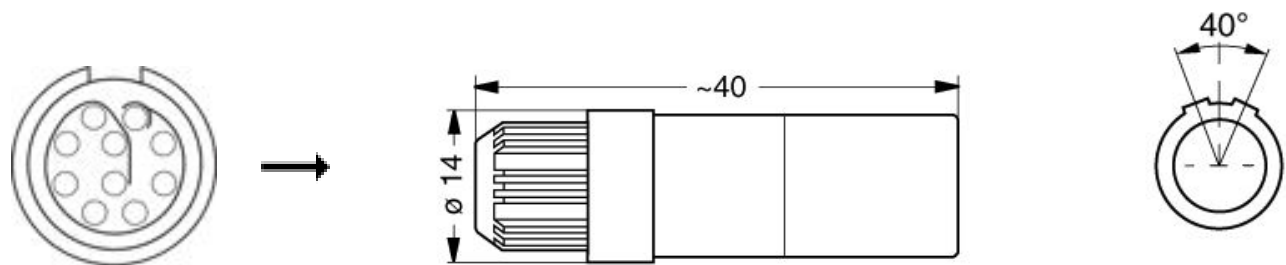
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Air clearance min.: 0.45 mm
Creepage distance min.: 0.45 mm

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



Dimensions

	A	L
mm.	14	40
in.	0,55	1,57

RECOMMENDED BY LEMO

Tools

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