

SUMMARY

Wires

Low voltage 14



Image is for illustrative purpose only

Series 1P
Termination type Male solder
IP rating 50
AWG wire size 28.00 - 0.00
Cable Ø 4.00 - 5.20 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PR*: Free receptacle with cable collet
Keying 2 keys (beta=170; plug: female contacts, receptacle: male contacts)
Housing Material PSU (Polysulfone), gray
Variant V : Green collet nut
Weight 4.75 g

Performance

Configuration 1P.M14 : 14 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 2 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: 0.6

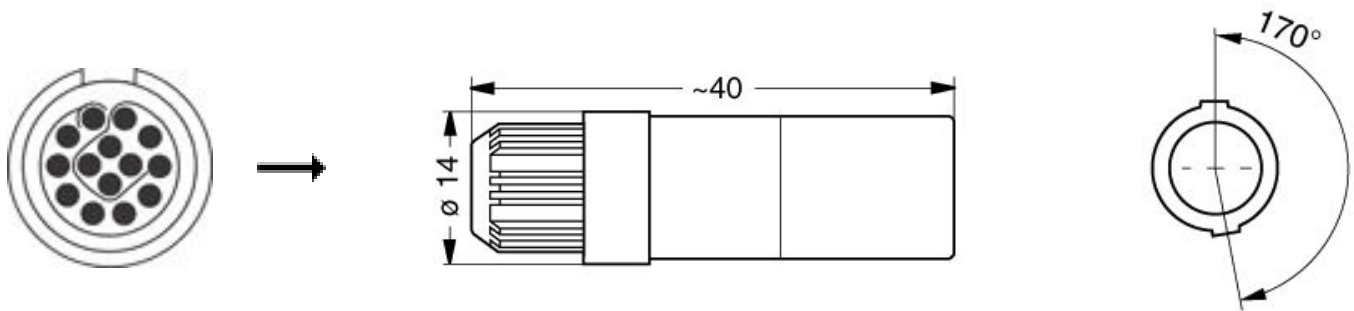
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Air clearance min.: 0.5 mm
Creepage distance min.: 0.5 mm

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)

DRAWINGS



Dimensions

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

RECOMMENDED BY LEMO

Tools

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