

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 1P
Termination type Male solder
IP rating 50
AWG wire size 0.00 - 20.00
Cable Ø 4.00 - 5.20 mm
Status active
Matching parts [PLA.M0.2GL.LJ](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PA*: Straight plug with cable collet
Keying 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)
Housing Material PSU (Polysulfone), gray
Variant J : Yellow collet nut
Weight 4.96 g

Performance

Configuration 1P.M02 : 2 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 10 Amps

Specifications

Contact Type: Solder
Contact Dia.: 1.3 mm (0.0512in)
Bucket Dia.: 1.1 mm (0.04in)
Max. Solid Conductor: 0.5 mm² (AWG 20)
Max. Stranded Conductor: 0.5 mm² (AWG 20)
R (max): 3.5 mOhm
Test voltage (kV rms) Contact-contact: 1.2

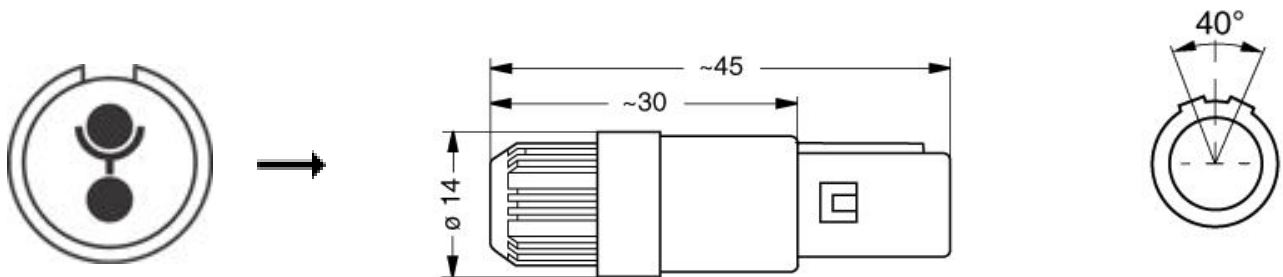
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Air clearance min.: 1.3 mm
 Creepage distance min.: 1.3 mm

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








RECOMMENDED BY LEMO

Tools

Cables

| | | | |
|--------------------|---------------|-------|--|
| CMN.02.T20.047PGZE | | Grey | |
| CMN.02.T20.047PNZE | | | |
| CMN.02.T20.048QGZE | TPR (medical) | Grey | |
| 120240 | PVC | Black | |
| 120250 | PVC | Grey | |
| 120501 | PVC | Grey | |

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| | | | |
|-------|-----|--------|---|
| 20260 | PVC | Black |  |
| 20264 | PVC | Black |  |
| 20266 | PVC | Violet |  |
| 2221 | PVC | Black |  |
| 2280 | PVC | Black |  |
| 4082 | PVC | Grey | |

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