

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 1P  
Termination type Male solder  
IP rating 50  
AWG wire size 20.00 - 0.00  
Cable Ø 4.00 - 5.20 mm  
Status active  
Matching parts [PLA.M0.2TL.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  
Weight 5.48 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 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.5 mOhm  
Test voltage (kV rms) Contact-contact: 1.2

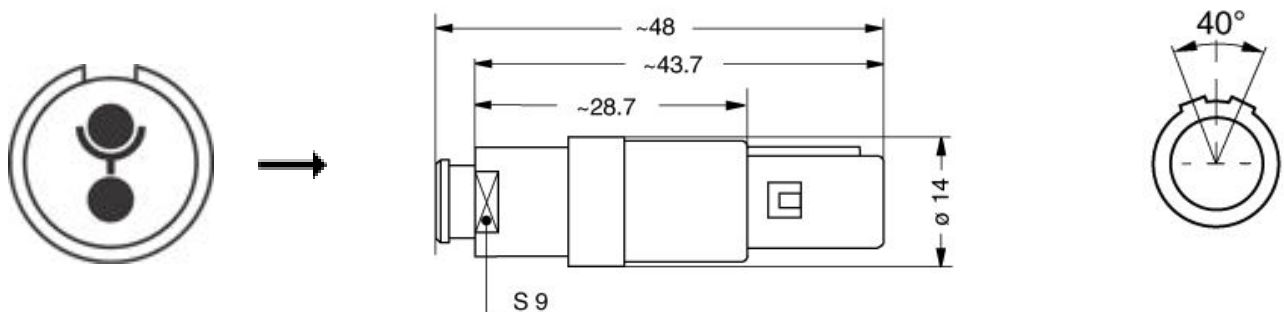
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Air clearance min.: 1.3 mm  
 Creepage distance min.: 1.3 mm

## Others

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

### 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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