

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.M0.2TL.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 5.07 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

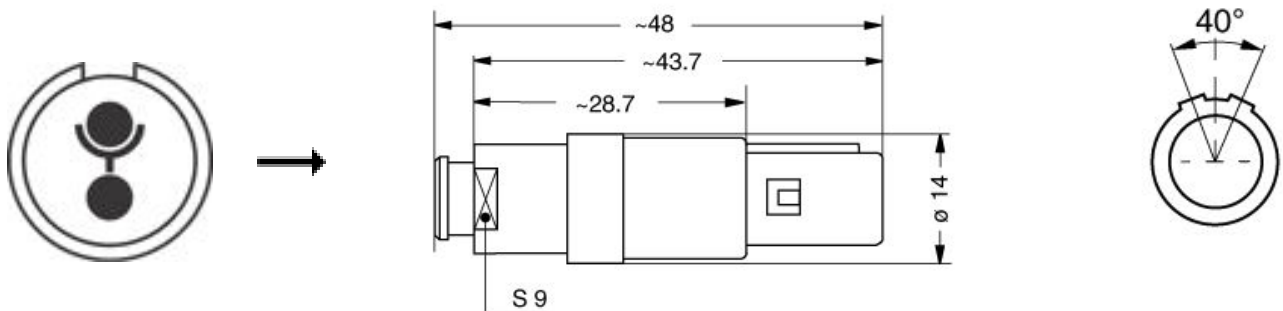
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Air clearance min.: 1.3 mm
 Creepage distance min.: 1.3 mm

Others

Endurance (Shell): >2000 mating cycles
 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	
20260	PVC	Black	

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20264	PVC	Black	
20266	PVC	Violet	
2221	PVC	Black	
2280	PVC	Black	
4082	PVC	Grey	

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