

## 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	5.30 - 6.50 mm
Status	active
Matching parts	<a href="#">PLJ.M1.0GL.AG</a>

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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 (beta=205; Plug: female contacts; Receptacle: male contacts)
Housing Material	PSU (Polysulfone), gray
Variant	G : Gray collet nut for bend relief
Weight	5.28 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 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (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



## RECOMMENDED BY LEMO

### Tools

### Cables

CMN.10.T28.053QGZE	TPR (medical)	Grey	
110280	PVC	Black	

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