

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series	1P
Termination type	Male solder
IP rating	50
AWG wire size	0.00 - 28.00
Cable Ø	2.70 - 3.90 mm
Status	active
Matching parts	<a href="#">PKA.M1.0GL.LJ</a>

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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

### 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  
Air clearance min.: 0.55 mm  
Creepage distance min.: 0.55 mm

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## Others

Endurance (Shell): >2000 mating cycles

Temp (min / max): -50°C / +150°C

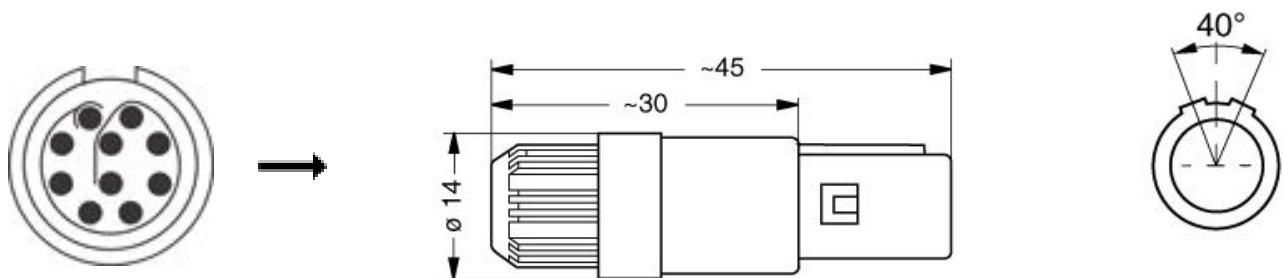
F ret (min): 50 N

F ret (max): 150 N

Steam sterilization: > 100 times (with potting on rear connection)

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

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