

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series 1P  
Termination type Female solder  
IP rating 50  
AWG wire size 0.00 - 26.00  
Cable Ø 0.00 - 0.00 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PL\*: Fixed receptacle, nut fixing  
Keying 2 keys (alpha=40; Plug: male contacts; Receptacle: female contacts)  
Housing Material PEI (Polyetherimide), gray  
Variant N : Black front nut  
Weight 4.88 g

### Performance

Configuration 1P.M07 : 7 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.0275in)  
Bucket Dia.: 0.6 mm (0.024in)  
Max. Solid Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Stranded Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
R (max): 6.5 mOhm  
Test voltage (kV rms) Contact-contact: 1.05

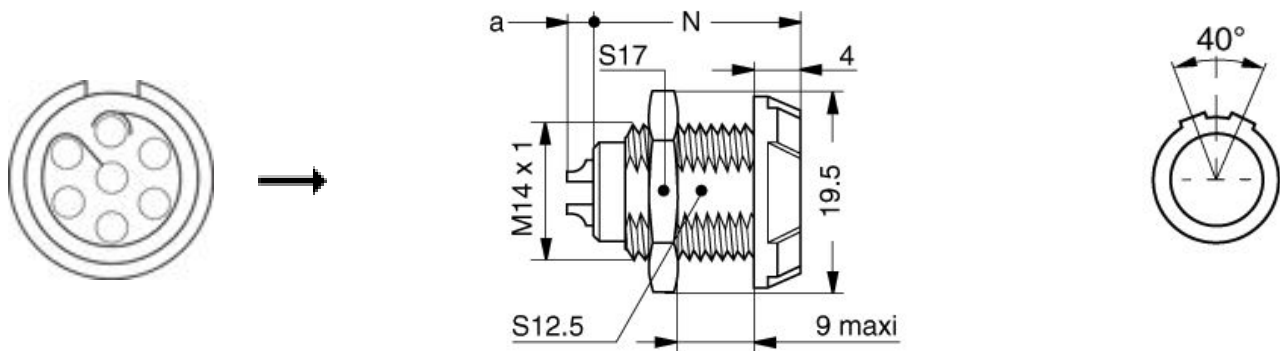
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Air clearance min.: 0.85 mm  
Creepage distance min.: 0.85 mm

## 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



## Dimensions

	A	L	N
mm.	19.5	25	20.5
in.	0,77	0,98	0,81

## RECOMMENDED BY LEMO

## Tools

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