

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series 1P
Termination type Female solder
IP rating 50
AWG wire size 30.00 - 22.00
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=60; Plug: male contacts; Receptacle: female contacts)
Housing Material PEI (Polyetherimide), black
Variant N : Black front nut
Weight 4.84 g

Performance

Configuration 1P.M05 : 5 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 7 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 4.5 mOhm
Test voltage (kV rms) Contact-contact: 1.05

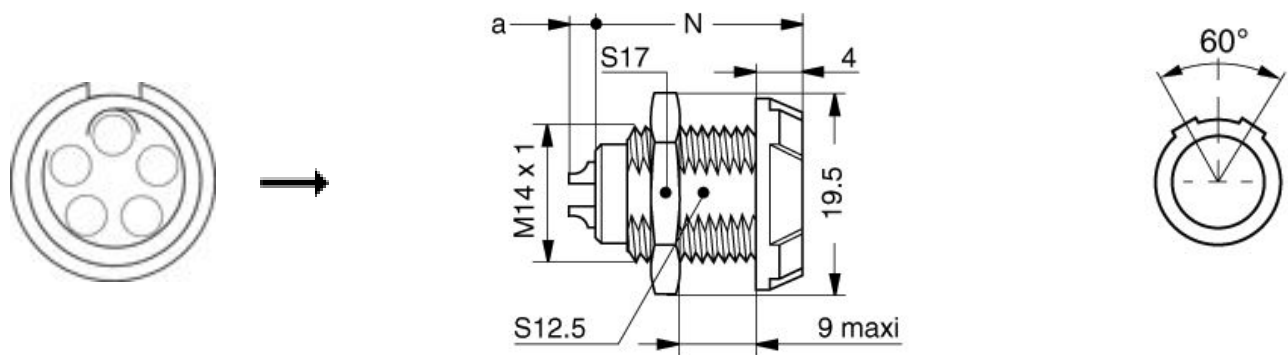
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Air clearance min.: 0.8 mm
Creepage distance min.: 0.8 mm

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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