

SUMMARY

Wires

Low voltage 9



Image is for illustrative purpose only

Series 1P
Termination type Female solder
IP rating 64
AWG wire size 0.00 - 28.00
Cable Ø 0.00 - 0.00 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PN*: Fixed receptacle, nut fixing, watertight
Keying 1 key (alpha=0; Plug: male contact; Receptacle: female contact)
Housing Material PEI (Polyetherimide), gray
Variant G : Gray front nut
Weight 5.41 g

Performance

Configuration 1P.M09 : 9 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 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.5 mOhm
Test voltage (kV rms) Contact-contact: 0.85

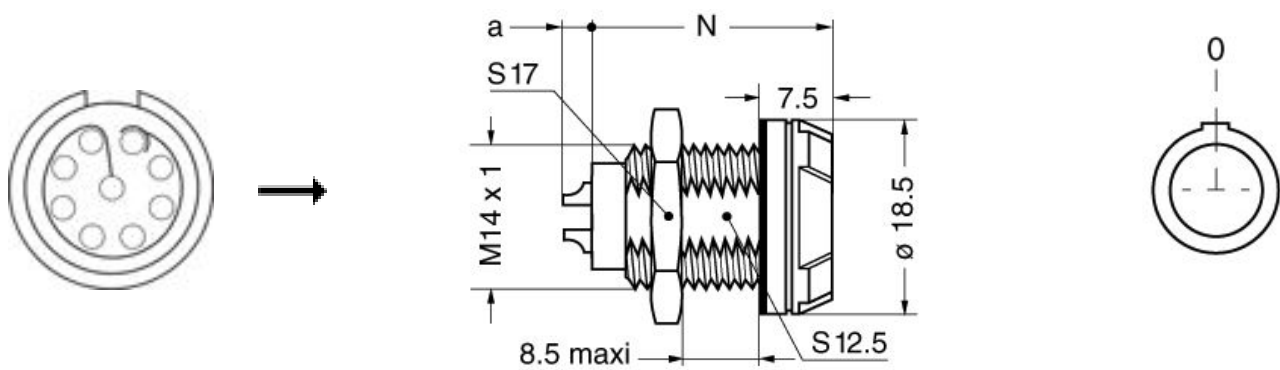
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Air clearance min.: 0.6 mm
Creepage distance min.: 0.6 mm

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

	N	a
mm.	23.3	2.5-4.5
in.	0,92	0,10

RECOMMENDED BY LEMO

Tools

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