

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series 1K
Termination type Male solder
IP rating 68
AWG wire size 34.00 - 28.00
Cable Ø 6.10 - 6.50 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material Brass (nickel plated [SAE AMS QQ N 290]) shell, collet nut, latch sleeve and mid pieces
Weight 22.50 g

Performance

Configuration 1K.310 : 10 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 2.5 Amps

Specifications

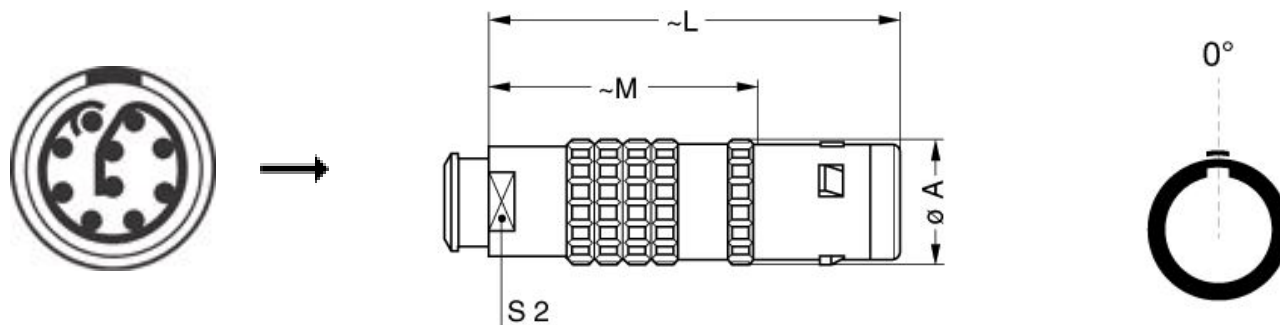
Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 1500 V (AC), 2150 V (DC)
Vtest (contact-contact): 900 V (AC), 1270 V (DC)

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Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +200°C
Humidity (max): <=95% [at 60 deg C / 140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding (min): 95 dB (10 MHz)
Shielding (min): 80 dB (1 GHz)
Salt Spray Corrosion: >144 hr

DRAWINGS



Dimensions

	A	L	M	S2
mm.	13	42	28	9
in.	0,51	1,65	1,10	0,35

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1E.008.PA090](#)

Caps: [BFG.1K.100.NAS](#)

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