

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	1K
Termination type	Male solder
IP rating	68 mated (mating interface)
AWG wire size	28.00 - 20.00
Cable Ø	8.10 - 8.50 mm
Status	Active
Matching parts	EGG.1K.302.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with oversize cable collet
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces

Performance

Configuration	1K.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	15 Amps

Specifications

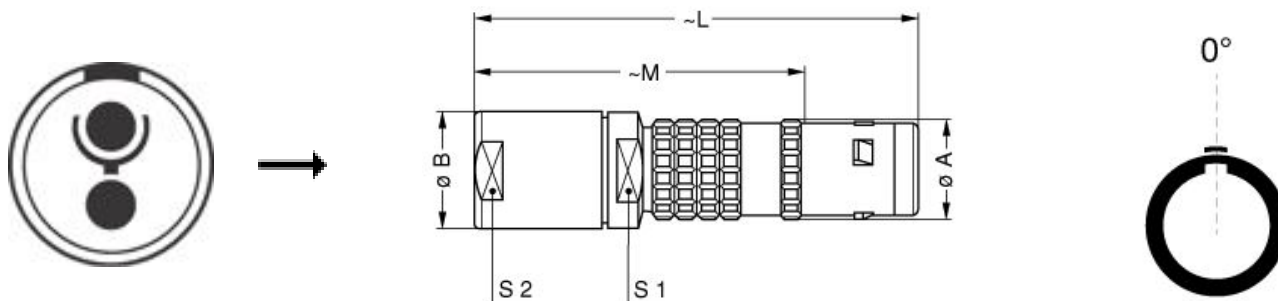
Contact Type:	Solder
Contact Dia.:	1.3 mm (0.051in)
Bucket Dia.:	1 mm (0.039in)
Max. Solid Conductor:	0.5 mm ² (AWG 20)
Max. Stranded Conductor:	0.5 mm ² (AWG 20)
R (max):	3.6 mOhm
V _{test} (contact-shell):	1350 V (AC), 1910 V (DC)
V _{test} (contact-contact):	1500 V (AC), 2150 V (DC)

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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: >1000 hr

DRAWINGS



Dimensions

	A	B	L	M	S1	S2
mm.	13	14.5	60	46	12	12
in.	0,51	0,57	2,36	1,81	0,47	0,47

RECOMMENDED BY LEMO

Tools

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

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

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