

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series	5K
Termination type	Male solder
IP rating	68 mated (mating interface)
AWG wire size	16.00 - 8.00
Cable Ø	12.60 - 13.50 mm
Status	active
Matching parts	EGG.5K.302.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, 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
Weight	429.64 g

Performance

Configuration	5K.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	50 Amps

Specifications

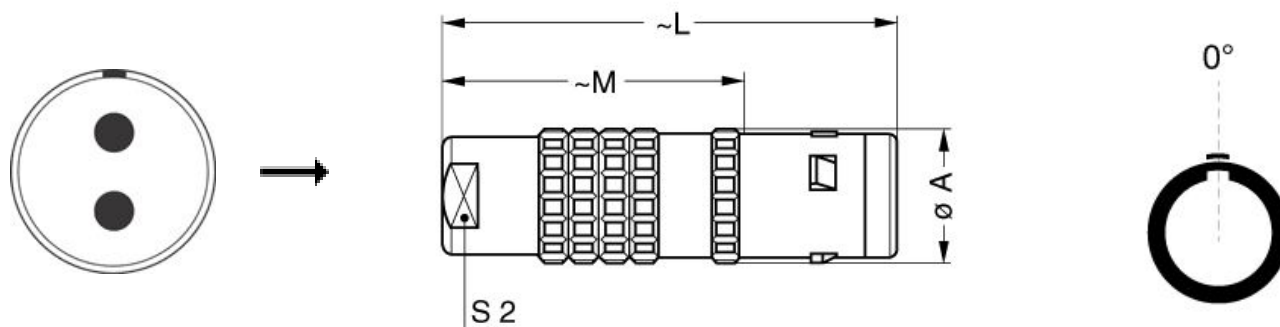
Contact Type: Solder
Contact Dia.: 6 mm (0.236in)
Bucket Dia.: 5.2 mm (0.205in)
Max. Solid Conductor: 10 mm² (AWG 8)
Max. Stranded Conductor: 10 mm² (AWG 8)
R (max): 1.2 mOhm
Vtest (contact-shell): 2950 V (AC), 4170 V (DC)
Vtest (contact-contact): 3600 V (AC), 5090 V (DC)

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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	L	M	S2
mm.	38	92	67	30
in.	1,50	3,62	2,64	1,18

RECOMMENDED BY LEMO

Tools

Caps: [BFG.5K.100.NAS](#)

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