

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series	1K
Termination type	Male solder
IP rating	68 mated (mating interface)
AWG wire size	30.00 - 22.00
Cable Ø	5.60 - 6.00 mm
Status	Active
Matching parts	<a href="#">EGG.1K.308.CLL</a>

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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 (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	22.90 g

### Performance

Configuration	1K.308 : 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	5 Amps

### Specifications

Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Stranded Conductor: 0.34 mm <sup>2</sup> (AWG 22)
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R (max): 6.1 mOhm

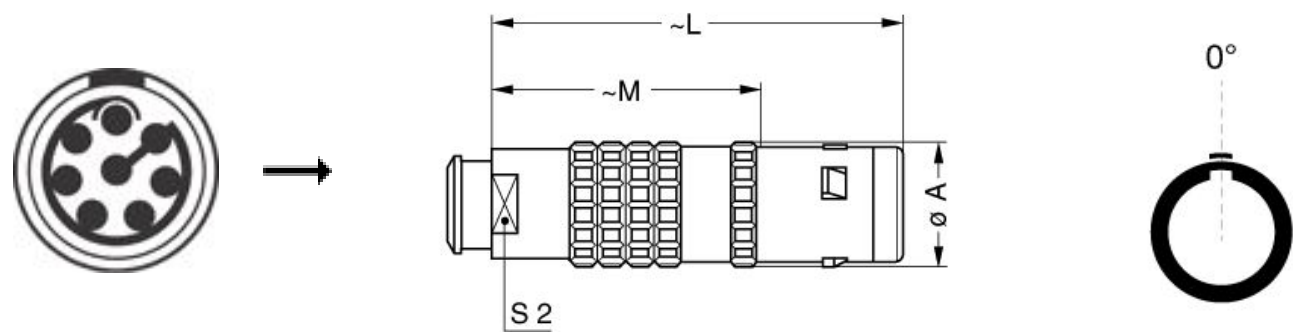
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Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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.	13	42	28	9
in.	0,51	1,65	1,10	0,35

RECOMMENDED BY LEMO




Tools

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

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

Cables

CMN.08.T22.059QGC	TPR	Grey	
CMN.08.T22.059QGZE	TPR (medical)	Grey	
16080	PVC	Grey	
180260	PVC	Black	
42265	PVC	Yellow	
80140	PVC	Grey	

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