

## SUMMARY

### # Wires

Low voltage 16



*Image is for illustrative purpose only*

Series 1K  
Termination type Male solder  
IP rating 68  
AWG wire size 34.00 - 28.00  
Cable Ø 8.10 - 8.50 mm  
Status active  
Matching parts [EGG.1K.316.CLL](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug with oversize 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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces  
Variant Z : Nut for fitting a bend relief  
Weight 34.76 g

### Performance

Configuration 1K.316 : 16 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 1.5 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

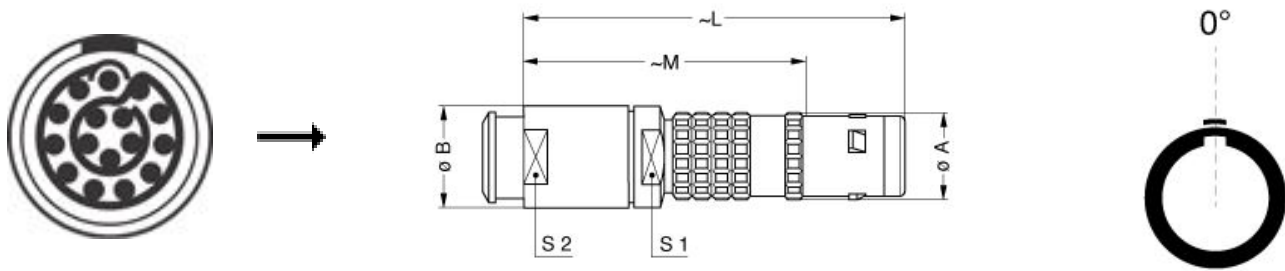
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

## 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	B	L	M	S1	S2
mm.	13	14	60	46	12	12
in.	0,51	0,55	2,36	1,81	0,47	0,47

## RECOMMENDED BY LEMO

### Tools

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

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

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