

## SUMMARY

### # Wires

Low	16
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	1K
Termination type	Male solder
IP rating	68
Cable Ø	8.10 - 8.50 mm
Matching parts	EGG.1K.316.CLL
Status	active
Alternative part	

## 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) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	K85: 8.1 - 8.5 mm
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-0/3.2, depends on material thickness)
Rated Current	1.5 Amps

### Specifications

Contact Type: Solder  
Max. Matings: 5000

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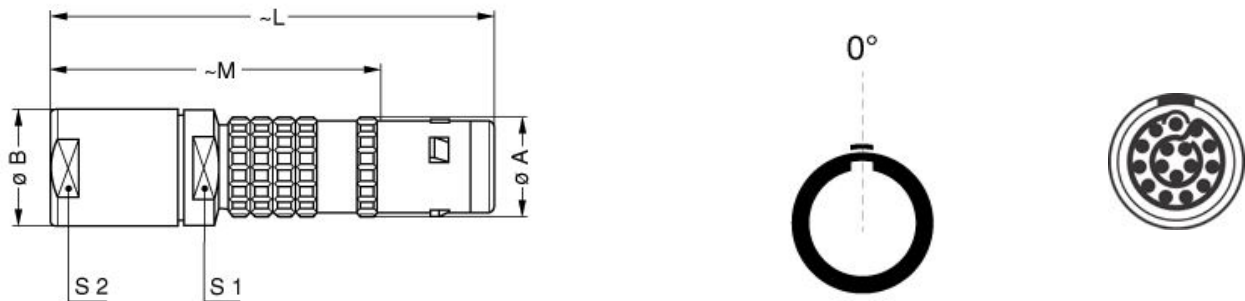
Contact Dia.: 0.5 mm (0.02in)  
 Bucket Dia.: 0.45 mm (0.018in)  
 Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
 Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
 R (max): 8.7 mOhm  
 Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
 Vtest (contact-contact): 800 V (AC), 1130 V (DC)

## 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]  
 Salt Spray Corrosion: >1000 hr  
 Climatical Category: 50/175/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 IP Rating: 68

## DRAWINGS

### Draws



### Dimensions

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

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# RECOMMENDED BY LEMO

## Tools

Spanner wrench: DCD.1E.008.PA090  
Caps: BFG.1K.100.NAS

## Cables

CMN.16.B22.084PG3Z		Grey	
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