

## SUMMARY

### # Wires

Low voltage	7
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*Image is for illustrative purpose only*

Series	1K
Termination type	Male solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	4.10 - 4.50 mm
Status	active
Matching parts	<a href="#">EGG.1K.307.CLL</a>

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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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Weight	22.91 g

### Performance

Configuration	1K.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 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)
Max. Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1050 V (AC), 1490 V (DC)
Vtest (contact-contact):	950 V (AC), 1340 V (DC)

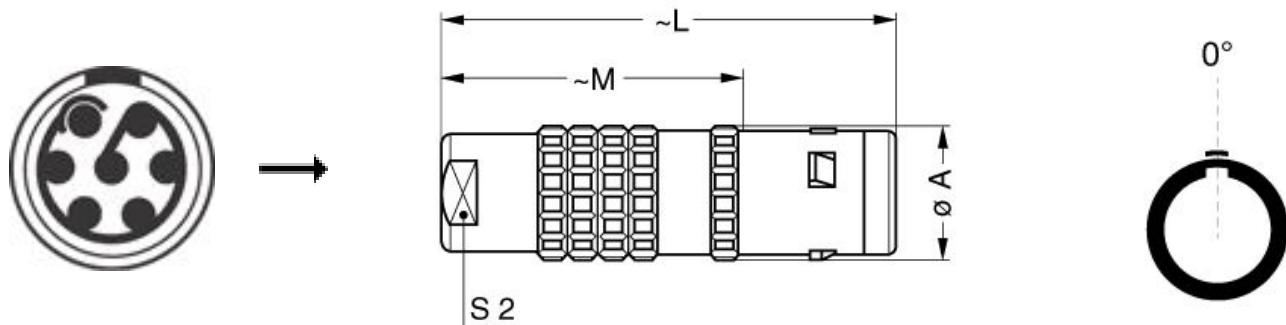
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## Others

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

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## DRAWINGS



## 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](#)

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## Cables

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			

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