

## SUMMARY

### # Wires

Low voltage 2



Image is for illustrative purpose only

Series 1K  
Termination type Male crimp  
IP rating 68  
AWG wire size 20.00 - 18.00  
Cable Ø 4.10 - 4.50 mm  
Status active  
Matching parts [EGG.1K.302.CYM](#)

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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 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 24.75 g

### Performance

Configuration 1K.302 : 2 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 15 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 40 N  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1.4 mm (0.055in)  
Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Conductor: 1 mm<sup>2</sup> (AWG 18)

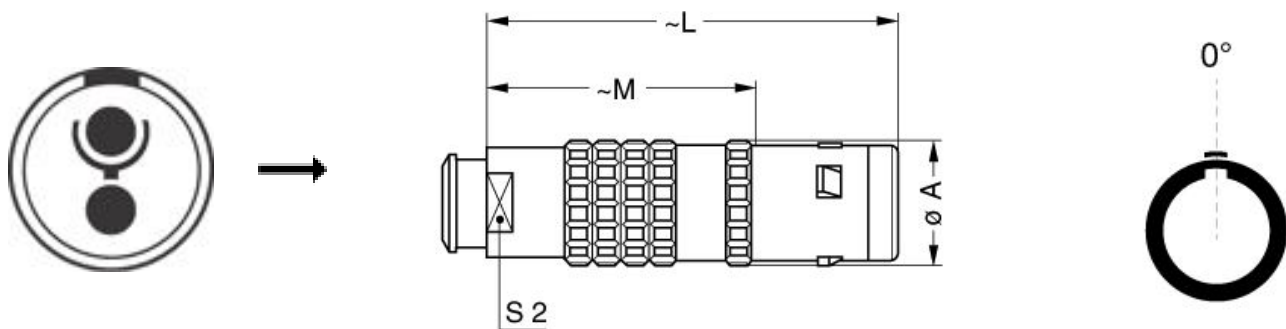
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R (max): 3.6 mOhm  
 Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
 Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<a href="#">DCE.91.131.BVC</a>
Extractor:	<a href="#">DCF.91.131.2LT</a>
Replacement contact:	FGG.1B.565.ZZC
Spanner wrench:	<a href="#">DCD.1E.008.PA090</a>
Caps:	<a href="#">BFG.1K.100.NAS</a>

## Cables

120250	PVC	Grey	
20260	PVC	Black	

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