

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

Series	1K
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.60 - 7.00 mm
Status	active
Matching parts	<a href="#">FGG.1K.304.NYCK70</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle with oversize cable collet
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (nickel plated [SAE AMS QQ N 290]) shell, collet nut, latch sleeve and mid pieces
Weight	41.50 g

### Performance

Configuration	1K.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 Amps

### Specifications

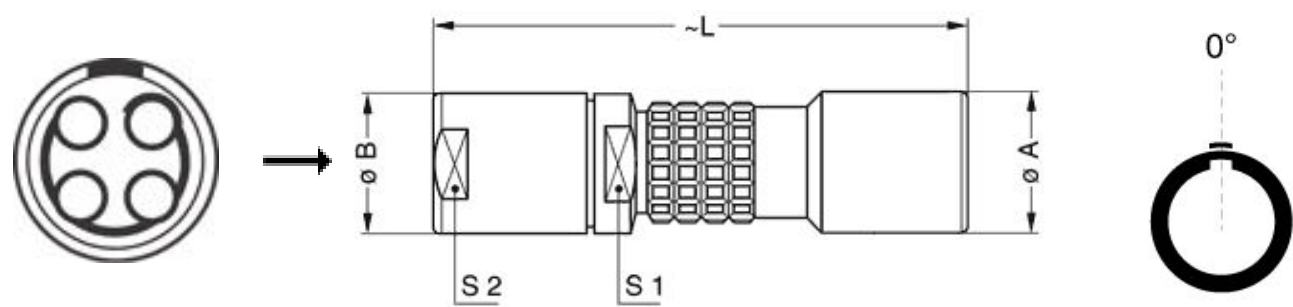
Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm <sup>2</sup> (AWG 24)
Max. Conductor: 0.5 mm <sup>2</sup> (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 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: >144 hr

DRAWINGS



Dimensions

	A	B	L	S1	S2
mm.	15	14.5	63	12	12
in.	0,59	0,57	2,48	0,47	0,47

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.091.BVM](#)  
Extractor: [DCF.91.090.2LT](#)  
Replacement contact: EGG.1B.660.ZZM  
Spanner wrench: [DCD.1E.008.PA090](#)

Cables

240750	PVC	Grey	
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