

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

Series 3K  
Termination type Male crimp  
IP rating 68  
AWG wire size 24.00 - 20.00  
Cable Ø 9.10 - 9.50 mm  
Status pre-release  
Matching parts [EGG.3K.312.CYM](#)

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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

### Performance

Configuration 3K.312 : 12 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 9 Amps

### Specifications

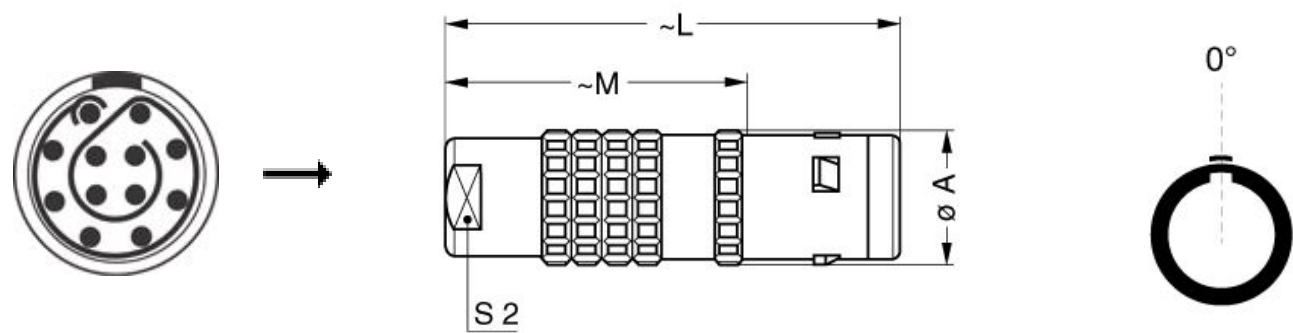
Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)  
Vtest (contact-contact): 1650 V (AC), 2350 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

DRAWINGS



Dimensions

	A	L	M	S2
mm.	19	61	41	15
in.	0,75	2,40	1,61	0,59

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:	<a href="#"><u>DCE.91.093.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.093.5LT</u></a>
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	<a href="#"><u>DCD.3E.030.PA150</u></a>
Caps:	<a href="#"><u>BFG.3K.100.NAS</u></a>

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