

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

Series 3B  
Termination type Male crimp  
IP rating 50  
AWG wire size 26.00 - 22.00  
Cable Ø 7.80 - 9.20 mm  
Status active  
Matching parts [EGG.3B.312.CLL](#)

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

### Specifications

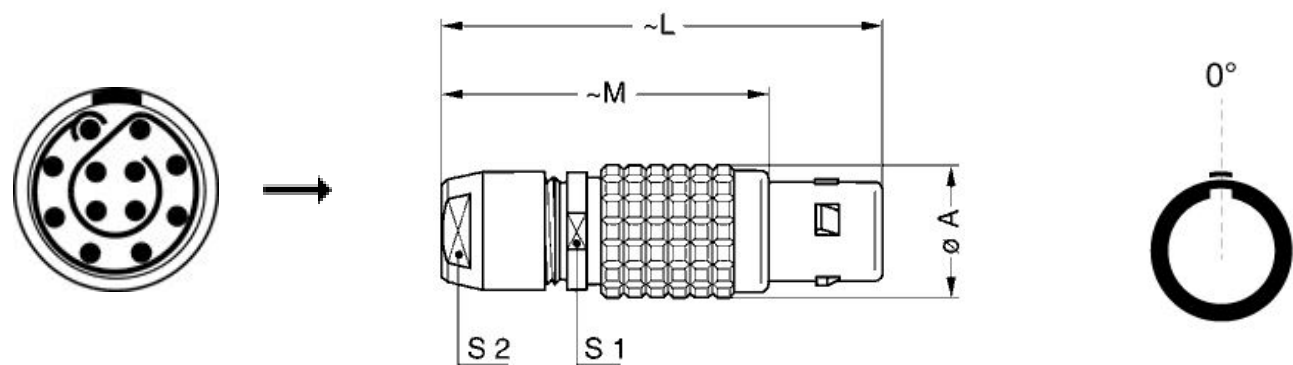
Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)  
Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

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Others

Endurance (Shell): 5000  
Temp (min / max): -55°C / +250°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): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	L	M	S1	S2
mm.	18	58	43	15	14
in.	0,71	2,28	1,69	0,59	0,55

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 22-24-26/6-5-5

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Positionner:	<a href="#">DCE.91.093.BVC</a>
Extractor:	<a href="#">DCF.91.093.5LT</a>
Replacement contact:	FGG.3B.561.ZZC
Spanner wrench:	<a href="#">DCD.3B.040.PA140</a>
Caps:	<a href="#">BFG.3B.100.PCSG</a>

Cables

212220	PVC	Black	
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