

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

Series	3B
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	6.30 - 7.70 mm
Status	active
Matching parts	<a href="#">EGG.3B.312.CLL</a>

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[Catalog](#)

[See video assembly instructions](#)

## 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	46.71 g

### Performance

Configuration	3B.312 : 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	9 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1000 V (AC), 1400 V (DC)  
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

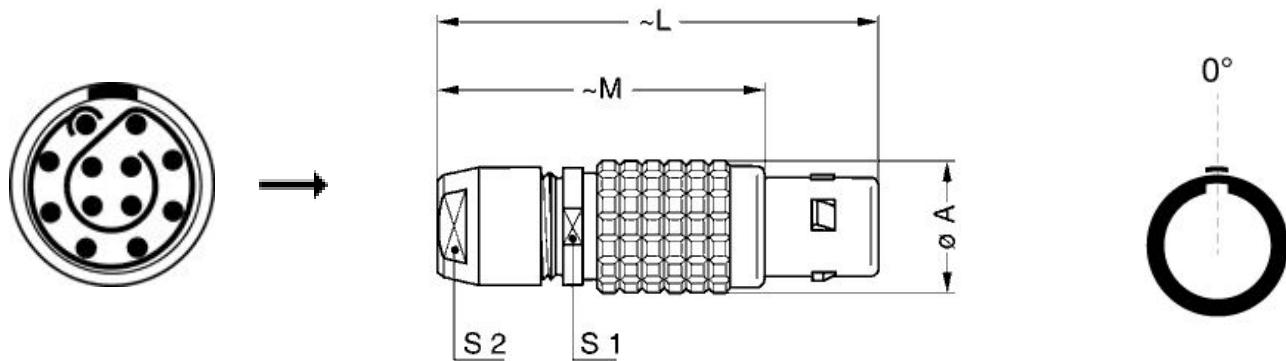
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## Others

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

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## DRAWINGS



## Dimensions

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

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.3B.040.PA140](#)

Caps: [BFG.3B.100.PCSG](#)

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## Cables

CMN.12.T22.070QGZE	TPR (medical)	Grey	
112240	PTFE	White	
124080	PVC	Grey	
124084	PVC	Black	
212240	PVC	Black	
212250	PVC	Grey	
212260	PVC	Black	

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