

## SUMMARY

### # Wires

Low voltage 14



*Image is for illustrative purpose only*

Series	3B
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	7.80 - 9.20 mm
Status	active
Alternative part	<a href="#">FGG.3B.314.CLAD92Z</a>
Matching parts	<a href="#">EGG.3B.314.CLL</a>

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[See video assembly instructions](#)

## 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	47.99 g

### Performance

Configuration	3B.314 : 14 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

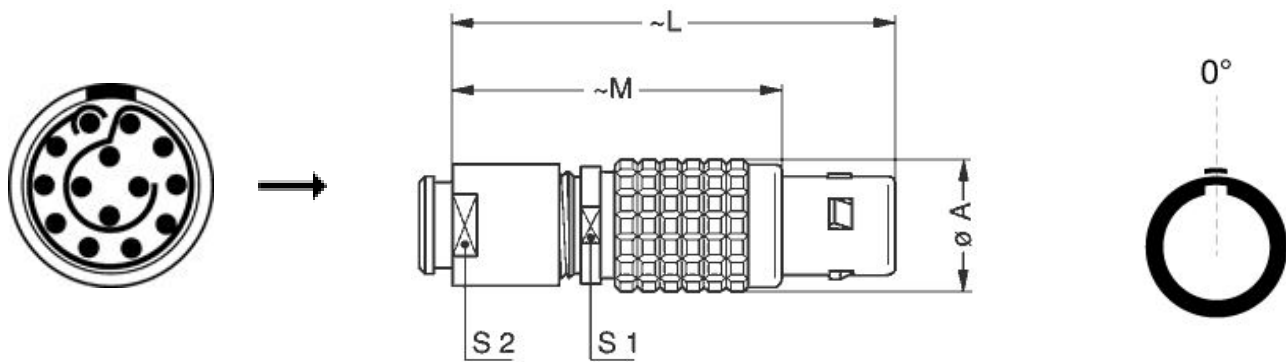
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Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

## 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	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

## RECOMMENDED BY LEMO

### Tools

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Spanner wrench: [DCD.3B.040.PA150](#)

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

## Cables

314250	PVC	Grey	
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