

## SUMMARY

### # Wires

Low voltage 14



*Image is for illustrative purpose only*

Series 1B  
Termination type Male crimp  
IP rating 50  
AWG wire size 32.00 - 28.00  
Cable Ø 7.30 - 7.60 mm  
Status active  
Matching parts [EGG.1B.314.CLL](#)

### Download

[Request a quote](#)  
[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

### Performance

Configuration 1B.314 : 14 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 2 Amps

### Specifications

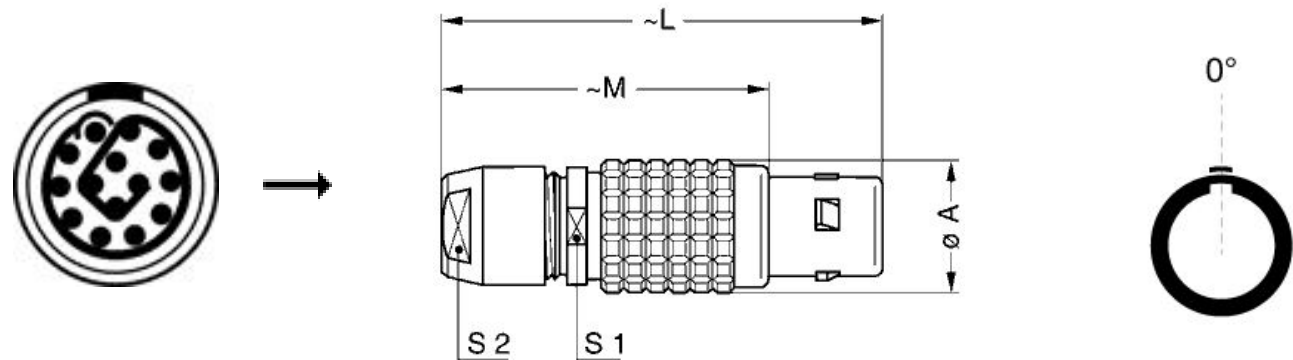
Contact Type: Crimp  
Contact Retention: 12 N  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Min. Conductor: 0.035 mm<sup>2</sup> (AWG 32)  
Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 1600 V (AC), 2250 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*

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.	12	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 28-30-32/4-3-3

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Positionner:	<a href="#"><u>DCE.91.051.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.050.2LT</u></a>
Replacement contact:	FGG.1B.554.ZZC
Spanner wrench:	<a href="#"><u>DCD.1B.015.PA090</u></a>
Caps:	<a href="#"><u>BFG.1B.100.PCSG</u></a>

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*