

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 1B  
Termination type Male crimp  
IP rating 50  
AWG wire size 32.00 - 28.00  
Cable Ø 6.30 - 7.20 mm  
Status active  
Matching parts [EGG.1B.310.CLL](#)

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[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 15.56 g

### Performance

Configuration 1B.310 : 10 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 2.5 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): 1800 V (AC), 2550 V (DC)

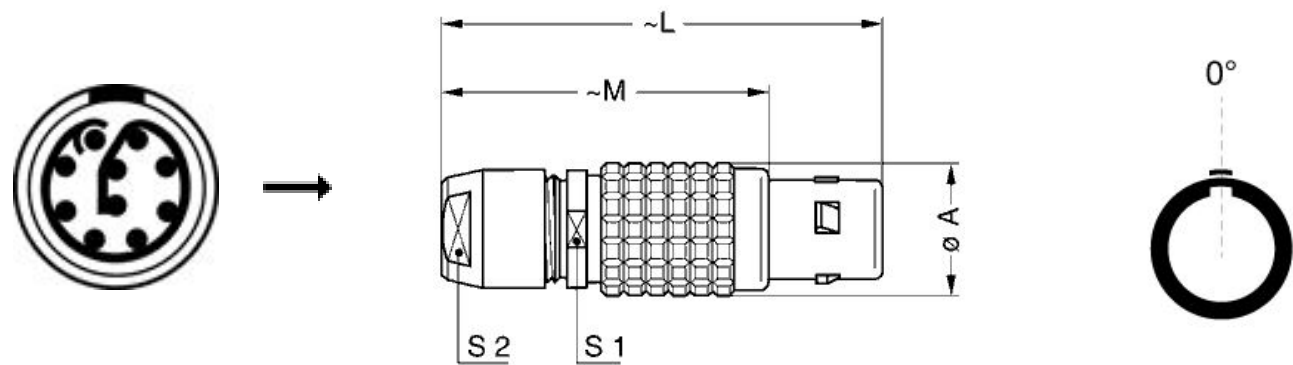
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Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

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

RECOMMENDED BY LEMO

Tools

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|                      |                                         |
|----------------------|-----------------------------------------|
| Crimp Tool:          | <a href="#"><u>DPC.91.701.V</u></a>     |
| Crimp settings:      | AWG/Selector = 28-30-32/4-3-3           |
| 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>  |

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