

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 3B  
Termination type Female crimp  
IP rating 50  
AWG wire size 20.00 - 18.00  
Cable Ø 6.30 - 7.70 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet and nut for fitting a bend relief  
Keying 2 keys (alpha=37.5, plug: female contacts, receptacle: male 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

### Performance

Configuration 3B.310 : 10 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 12 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 40 N  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1.4 mm (0.055in)  
Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

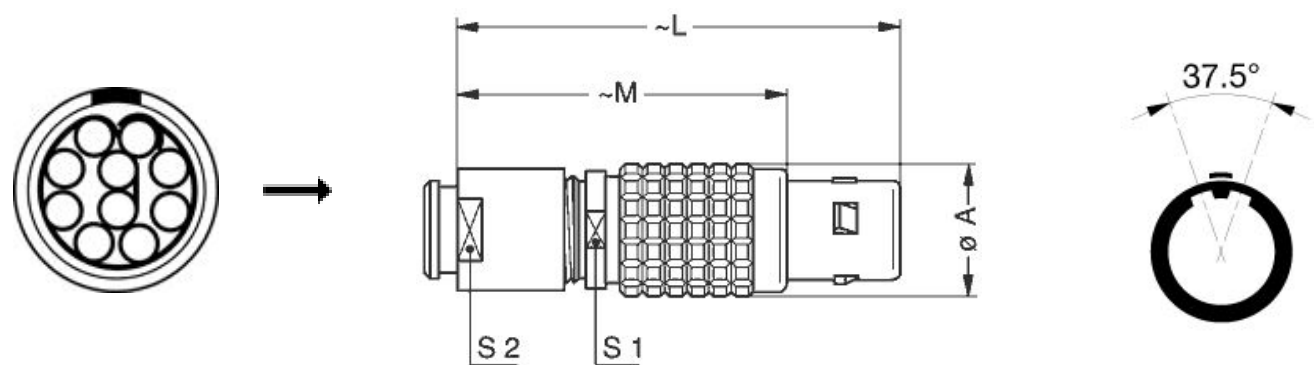
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Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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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Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 18-20-22/5-4-3






Positionner: [DCE.91.133.BVM](#)

Extractor: [DCF.91.133.5LT](#)

Replacement contact: EGG.3B.665.ZZM

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

### Cables

CMN.10.T22.068QGZE	TPR (medical)	Grey	
110220	PVC	Black	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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