

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	7.80 - 9.20 mm
Status	active
Alternative part	<a href="#">FGG.3B.310.CYCD92Z</a>
Matching parts	<a href="#">EGG.3B.310.CLL</a>

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## 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	53.39 g

### 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)

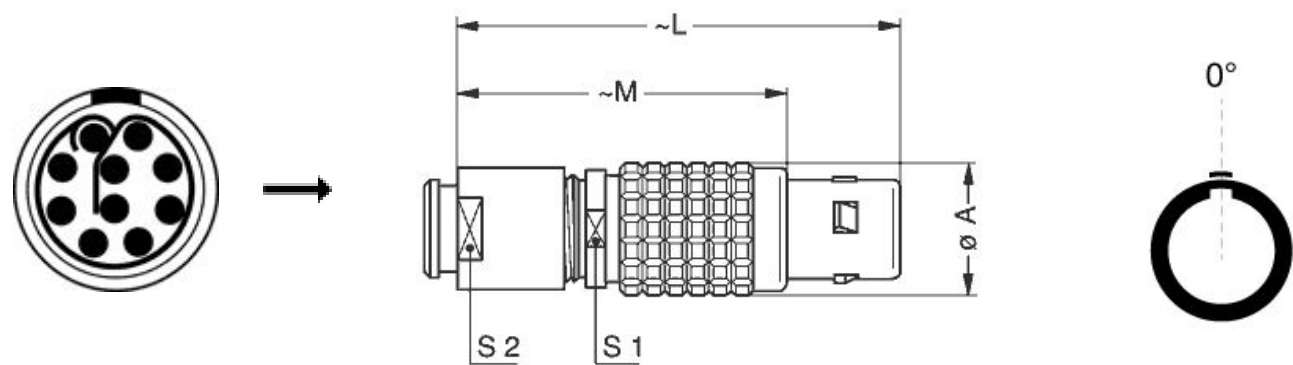
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R (max): 3.6 mOhm  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)  
Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<a href="#">DCE.91.133.BVC</a>
Extractor:	<a href="#">DCF.91.133.5LT</a>
Replacement contact:	FGG.3B.565.ZZC
Spanner wrench:	<a href="#">DCD.3B.040.PA150</a>
Caps:	<a href="#">BFG.3B.100.PCSG</a>

## Cables

CMN.10.T20.080PGZE		Grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	

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