

## SUMMARY

### # Wires

Low voltage	10
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*Image is for illustrative purpose only*

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	10.80 - 11.90 mm
Status	active
Matching parts	<a href="#">EGG.3B.310.CLL</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FH*: Elbow 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	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)
Vtest (contact-contact):	1500 V (AC), 2120 V (DC)

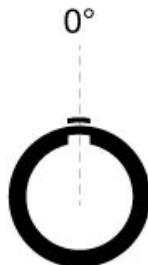
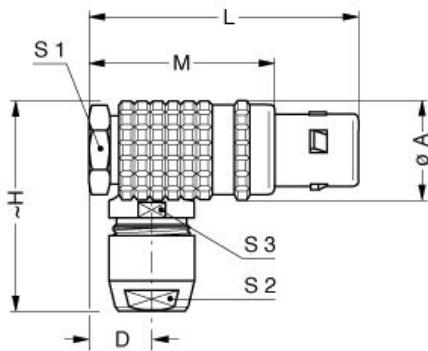
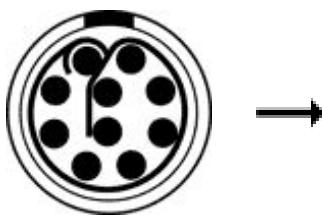
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## Others

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

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## DRAWINGS



## Dimensions

	A	D	H	L	M	S1	S2	S3
mm.	19	10	37	50	35	17	14	15
in.	0,75	0,39	1,46	1,97	1,38	0,67	0,55	0,59

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## RECOMMENDED BY LEMO

### Tools

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

Crimp settings: AWG/Selector = 18-20/8-7

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Positionner: [DCE.91.133.BVC](#)  
Extractor: [DCF.91.133.5LT](#)  
Replacement contact: FGG.3B.565.ZZC  
Spanner wrench: [DCD.3B.040.PA140](#)

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