

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series	2B
Termination type	Male crimp
IP rating	50
AWG wire size	20.00 - 18.00
Cable Ø	6.30 - 7.20 mm
Status	active
Matching parts	<a href="#">EGG.2B.306.CLL</a> <a href="#">PHG.2B.306.CYMD72Z</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	30.34 g

### Performance

Configuration	2B.306 : 6 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)

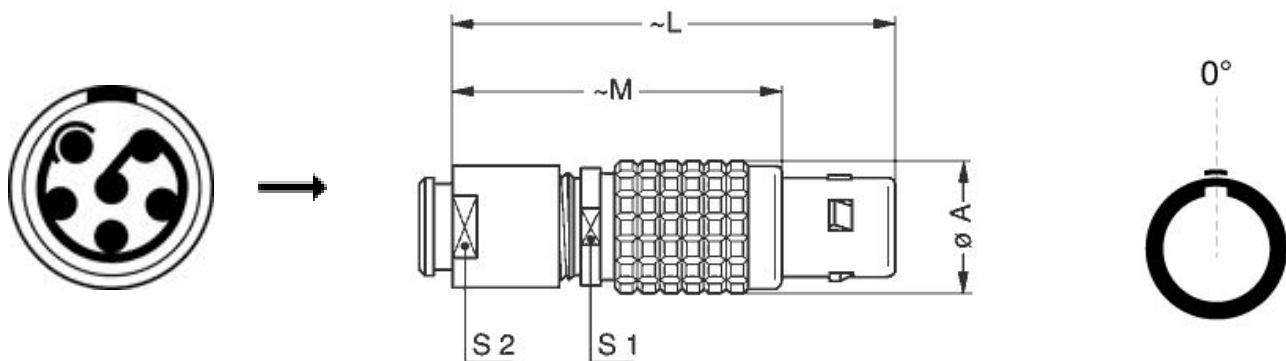
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R (max): 3.6 mOhm  
 Vtest (contact-shell): 2350 V (AC), 3320 V (DC)  
 Vtest (contact-contact): 2000 V (AC), 2850 V (DC)

## 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.	15	49	37	13	12
in.	0,59	1,93	1,46	0,51	0,47

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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.91.132.BVC</a>
Extractor:	<a href="#">DCF.91.131.2LT</a>
Replacement contact:	FGG.2B.565.ZZC
Spanner wrench:	<a href="#">DCD.2B.025.PA120</a>
Caps:	<a href="#">BFG.2B.100.PCSG</a>

## Cables

CMN.06.T18.070PGZE		Grey	
CMN.06.T18.070PNZE			

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