

## SUMMARY

### # Wires

Low voltage	3
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*Image is for illustrative purpose only*

Series	2B
Termination type	Male solder
IP rating	50
AWG wire size	24.00 - 16.00
Cable Ø	8.30 - 9.20 mm
Status	active
Matching parts	<a href="#">EGG.2B.303.CL</a> <a href="#">PHG.2B.303.CLAD92</a>

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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	27.70 g

### Performance

Configuration	2B.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	17 Amps

### Specifications

Contact Type:	Solder
Contact Dia.:	1.6 mm (0.063in)
Bucket Dia.:	1.4 mm (0.055in)
Max. Solid Conductor:	1 mm <sup>2</sup> (AWG 16)
Max. Stranded Conductor:	1 mm <sup>2</sup> (AWG 18)
R (max):	3.5 mOhm
Vtest (contact-shell):	1850 V (AC), 2600 V (DC)
Vtest (contact-contact):	2400 V (AC), 3390 V (DC)

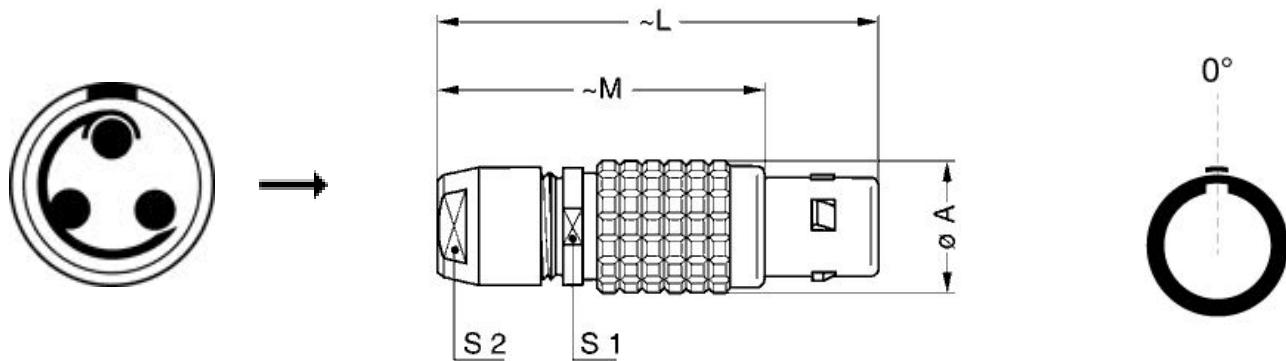
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## Others

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	L	M	S1	S2
mm.	15	50	38	13	12
in.	0,59	1,97	1,50	0,51	0,47

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.2B.025.PA120](#)

Caps: [BFG.2B.100.PCSG](#)

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