

## SUMMARY

### # Wires

Low voltage	1
High voltage	2



*Image is for illustrative purpose only*

Series	1B
Termination type	Male solder Hybrid High-Voltage
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	3.10 - 4.20 mm
Status	active
Matching parts	<a href="#">EGG.1B.731.CJL</a>

### Download

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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	16.00 g

### Performance

Configuration	1B.731 : 2 High V. 1 Low V.
Insulator	J: PEEK/PEEK
Rated Current	12 Amps

### Specifications

Contact Type:	Solder
Test voltage HV Ue (kV rms)	5.3
Working voltage LV Us (kV rms)	0.4

### Others

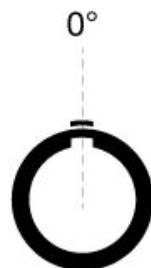
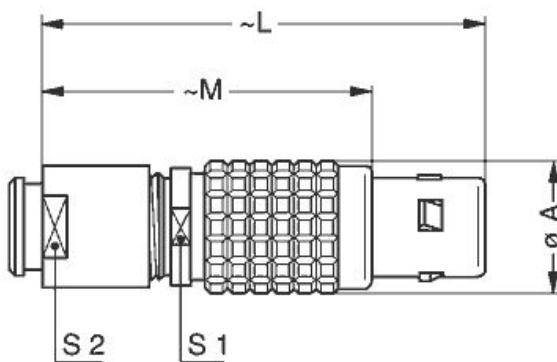
Endurance (Shell): 5000

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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.	12	42	31	10	9
in.	0,47	1,65	1,22	0,39	0,35

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1B.015.PA090](#)  
Caps: [BFG.1B.100.PCSG](#)

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