

## SUMMARY

### # Wires

Low voltage 5



Image is for illustrative purpose only

Series 1B  
Termination type Male solder  
IP rating 50  
AWG wire size 30.00 - 22.00  
Cable Ø 4.30 - 5.20 mm  
Status active  
Matching parts [EGG.1B.305.CLL](#)  
[PHG.1B.305.CLLD52Z](#)

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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 16.68 g

### Performance

Configuration 1B.305 : 5 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 9 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm

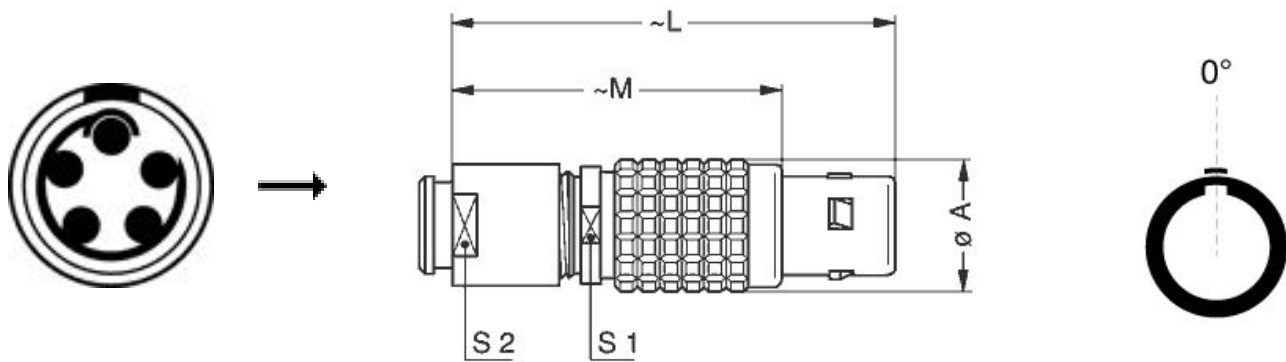
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Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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

## RECOMMENDED BY LEMO

### Tools

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Spanner wrench: [DCD.1B.ZZZ.PA090](#)

Caps: [BFG.1B.100.PCSG](#)

## Cables

CMN.05.T22.051QGZE	TPR (medical)	Grey	
50090	PVC	Black	
50140	PVC	Grey	

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