

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series 3B  
Termination type Male solder  
IP rating 50  
AWG wire size 24.00 - 16.00  
Cable Ø 6.30 - 7.70 mm  
Status active  
Matching parts [EGG.3B.307.CLL](#)

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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 49.66 g

### Performance

Configuration 3B.307 : 7 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 15 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

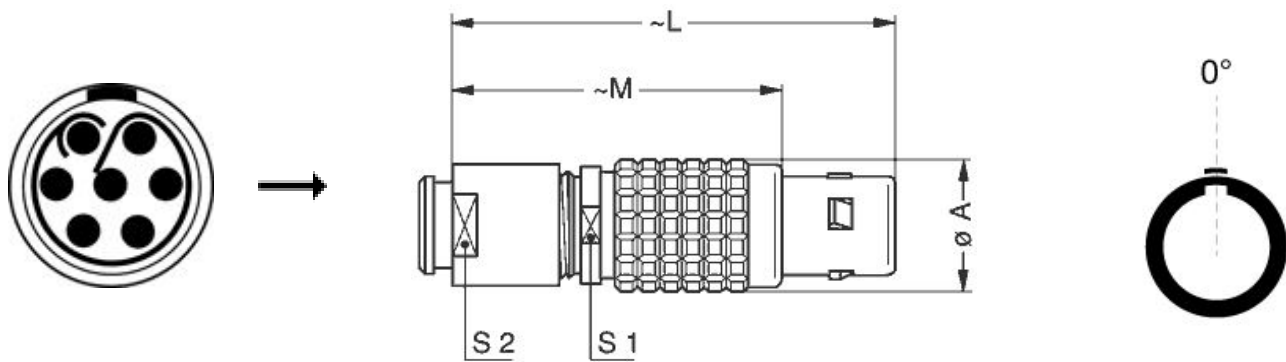
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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.	18	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

## RECOMMENDED BY LEMO

### Tools

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Spanner wrench: [DCD.3B.040.PA150](#)

Caps: [BFG.3B.100.PCSG](#)

## Cables

CMN.07.T18.070PGZE		Grey	
CMN.07.T18.070PNZE			
370500	PVC	Grey	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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