

## SUMMARY

### # Wires

Low voltage 7



Image is for illustrative purpose only

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	26.00 - 22.00
Cable Ø	5.30 - 6.20 mm
Status	active
Matching parts	<a href="#">EGG.1B.307.CLL</a> <a href="#">PHG.1B.307.CYMD62Z</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	17.04 g

### Performance

Configuration	1B.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	7 Amps

### Specifications

- Contact Type: Crimp
- Contact Retention: 22 N
- Contact Dia.: 0.7 mm (0.028in)
- Bucket Dia.: 0.8 mm (0.031in)
- Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)
- Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)

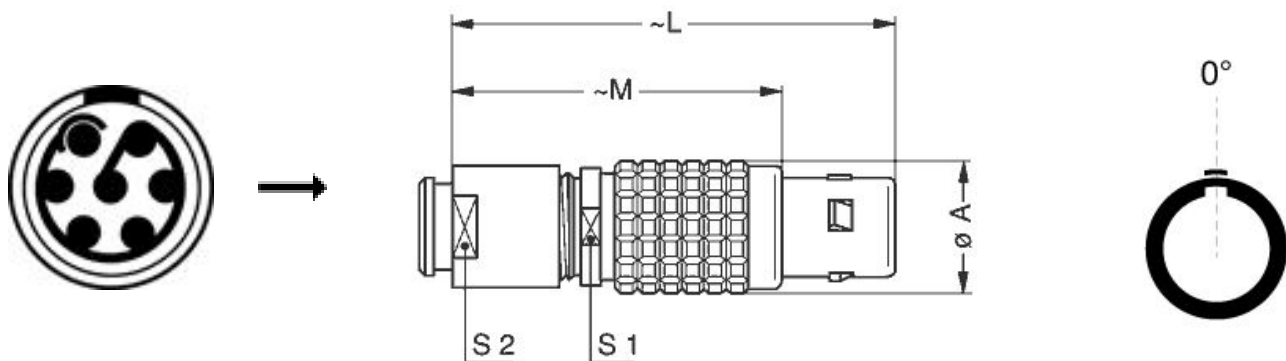
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R (max): 6.1 mOhm  
 Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
 Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

## 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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<a href="#">DCE.91.071.BVC</a>
Extractor:	<a href="#">DCF.91.070.2LT</a>
Replacement contact:	FGG.1B.555.ZZC
Spanner wrench:	<a href="#">DCD.1B.015.PA090</a>
Caps:	<a href="#">BFG.1B.100.PCSG</a>

## Cables

270250	PVC	Grey	
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