

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

Series 1B  
Termination type Female crimp  
IP rating 50  
AWG wire size 24.00 - 20.00  
Cable Ø 4.30 - 5.20 mm  
Status active  
Matching parts [EGJ.1B.305.CYC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet and nut for fitting a bend relief  
Keying 2 keys (gamma=45, plug: female contacts, receptacle: male 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 17.82 g

### Performance

Configuration 1B.305 : 5 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 9 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

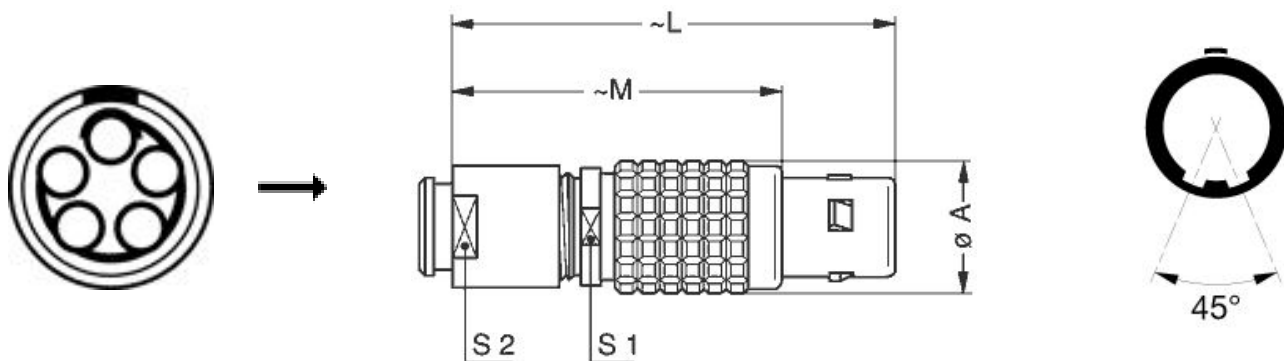
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R (max): 4.8 mOhm  
 Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
 Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## 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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<a href="#">DCE.91.091.BVM</a>
Extractor:	<a href="#">DCF.91.090.2LT</a>
Replacement contact:	EGG.1B.660.ZZM
Spanner wrench:	<a href="#">DCD.1B.015.PA090</a>

## Cables

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

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