

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series 1B  
Termination type Female crimp  
IP rating 50  
AWG wire size 26.00 - 22.00  
Cable Ø 6.30 - 7.20 mm  
Status active  
Matching parts [EGJ.1B.308.CYC](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet  
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  
Weight 16.92 g

### Performance

Configuration 1B.308 : 8 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 5 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)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1300 V (AC), 1840 V (DC)

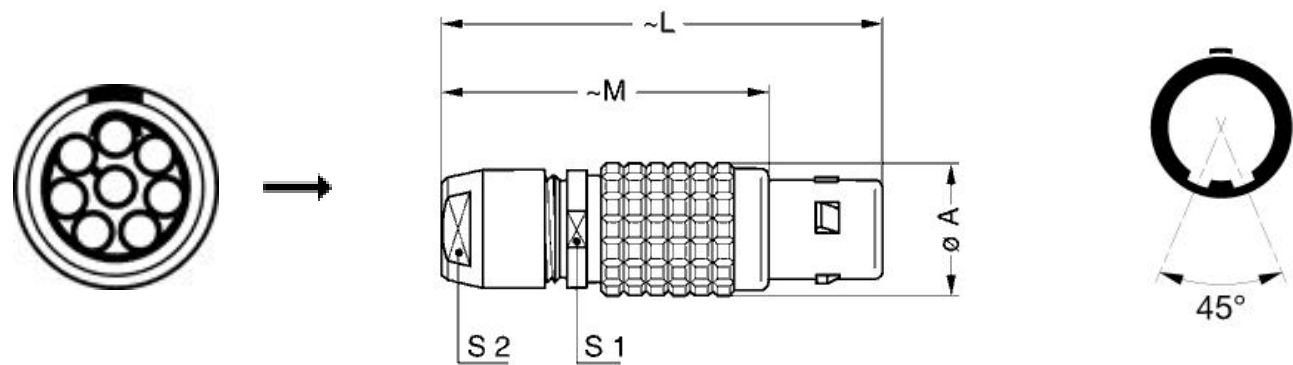
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

RECOMMENDED BY LEMO

Tools

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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.BVM</a>
Extractor:	<a href="#">DCF.91.070.2LT</a>
Replacement contact:	EGG.1B.655.ZZM
Spanner wrench:	<a href="#">DCD.1B.015.PA090</a>

Cables

108220	PVC	Black	
280250	PVC	Grey	

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