

## SUMMARY

### # Wires

Low voltage	8
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*Image is for illustrative purpose only*

Series	1B
Termination type	Female print PCB
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FGA.1B.308.CLAD42Z</a>

### Download

- [Request a quote](#)
- [PCB Eagle Pattern](#)
- [PCB Altium Pattern](#)
- [PCB KiCad Pattern](#)
- [Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts and straight contacts for printed circuit (back panel mounting)
Keying	2 keys (alpha=30, 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
Weight	10.65 g

### Performance

Configuration	1B.308 : 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	5 Amps

### Specifications

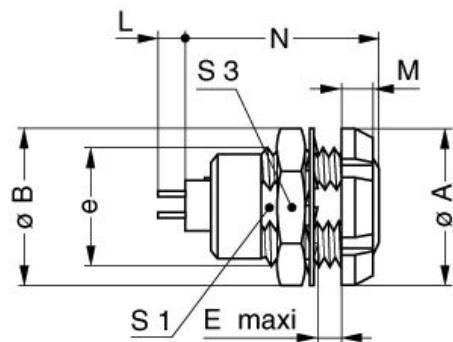
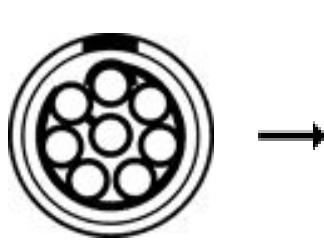
Contact Type:	Print (straight)
Contact Dia.:	0.7 mm (0.028in)
R (max):	6.1 mOhm
Vtest (contact-shell):	1150 V (AC), 1630 V (DC)
Vtest (contact-contact):	950 V (AC), 1340 V (DC)

### Others

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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	B	E	Lmax	M	Nmax	S1	S3	e
mm.	16	15.8	6	22.9	3.5	19.5	10.5	14	M12x1.0
in.	0,63	0,62	0,24	0,90	0,14	0,77	0,41	0,55	

## RECOMMENDED BY LEMO

### Tools

Spanner 2: [DCH.91.161.PA](#)

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