

## SUMMARY

### # Wires

Low voltage	8
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*Image is for illustrative purpose only*

Series	1B
Termination type	Female solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	7.30 - 7.60 mm
Status	active
Matching parts	<a href="#">FGG.1B.308.CLAD76</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PF*: Fixed receptacle, with two nuts, cable collet (back panel mounting)
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
Weight	17.78 g

### Performance

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

### Specifications

Contact Type:	Solder
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Solid Conductor:	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1150 V (AC), 1630 V (DC)
Vtest (contact-contact):	950 V (AC), 1340 V (DC)

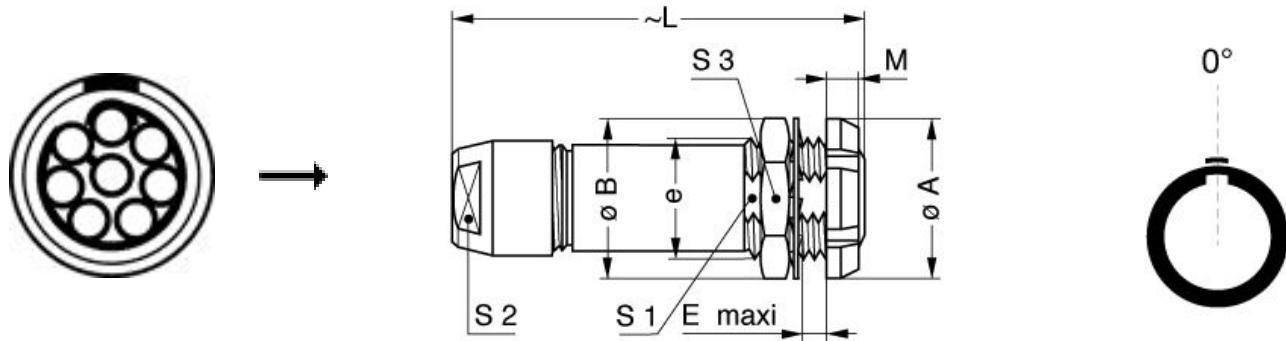
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## Others

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

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## DRAWINGS



## Dimensions

	A	B	E	L	M	S1	S2	S3	e
mm.	16	16	5	40.5	3.5	10.5	9	14	M12x1.0
in.	0,63	0,63	0,20	1,59	0,14	0,41	0,35	0,55	

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1B.015.PA090](#)

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