

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series	1B
Termination type	Female solder
IP rating	50
AWG wire size	34.00 - 28.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">FGG.1B.310.CLAD52</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	17.99 g

### Performance

Configuration	1B.310 : 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	2.5 Amps

### Specifications

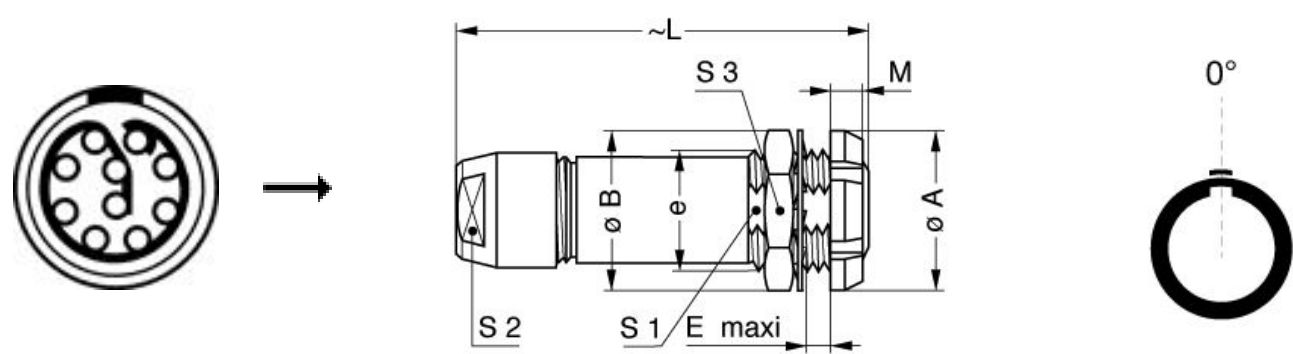
Contact Type: Solder  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)  
Vtest (contact-contact): 900 V (AC), 1270 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

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	


RECOMMENDED BY LEMO

Tools

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

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Cables

CMN.10.T28.052PGZE		Grey	
CMN.10.T28.052PNZE			

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