

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 1B  
Termination type Female print PCB  
IP rating 68  
AWG wire size 34.00 - 28.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1B.310.CLAD42](#)

### Download

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[PCB Eagle Pattern](#)  
[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model HM\*: Fixed receptacle with grounding tab, nut fixing, watertight or vacuum-tight (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  
Variant P : Watertight  
Weight 12.46 g

### Performance

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

### Specifications

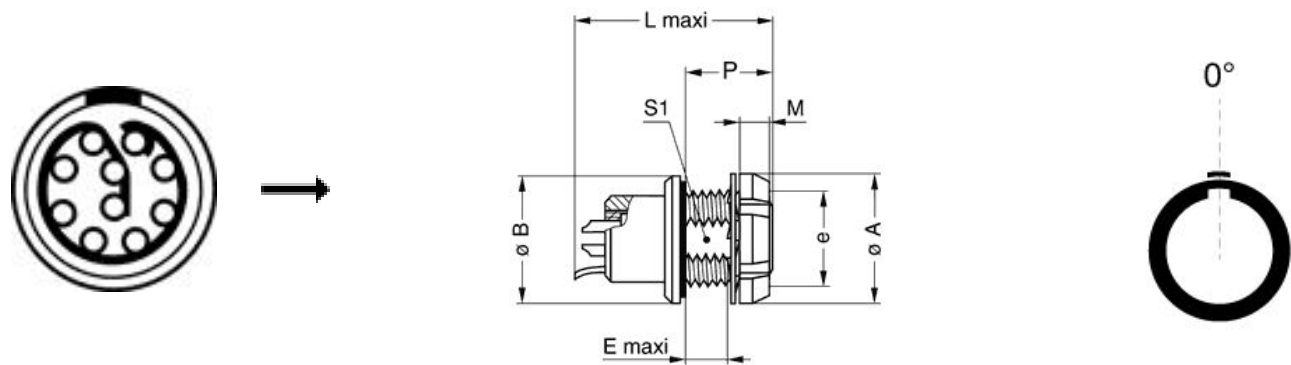
Contact Type: Print (straight)  
Contact Dia.: 0.5 mm (0.02in)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)  
Vtest (contact-contact): 900 V (AC), 1270 V (DC)

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Others

Endurance (Shell): 5000  
Temp (min / max): -20°C / +100°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: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr  
Pressure: 60 bars

DRAWINGS



Dimensions

	A	B	E	L	M	P	S1	e
mm.	16	18	5.5	26	3.5	11	10.5	M12x1.0
in.	0,63	0,71	0,22	1,02	0,14	0,43	0,41	

RECOMMENDED BY LEMO

Tools

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