

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series 2M  
Termination type Female print PCB  
IP rating 68  
AWG wire size 22.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FMN.2M.308.XLC](#)

### Download

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

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EG\*: Fixed receptacle, nut fixing, for printed circuit  
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)  
Housing Material Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass  
Weight 6.13 g

### Performance

Configuration 2M.308 : 8 Low Voltage  
Insulator L: PEEK  
Rated Current 10 Amps

### Specifications

Contact Type: Print (straight)  
Contact Dia.: 0.9 mm (0.035in)  
R (max): 4.8 mOhm  
Test voltage (kV rms) Contact-contact: 1.95  
Test voltage (kV rms) Contact-shell: 1.1

### Others

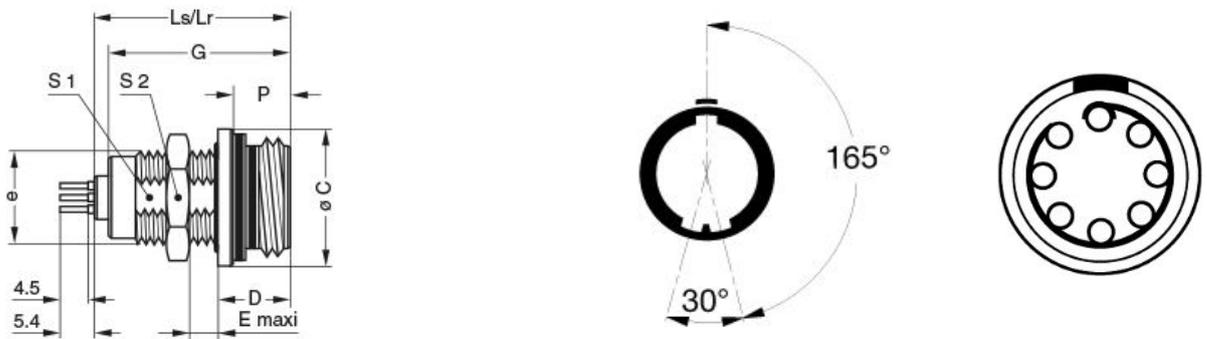
Endurance (Shell): 3000 mating cycles

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Temp (min / max): -20°C / +200°C  
 Humidity (max): 21 days at 95%  
 Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)  
 Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]  
 Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]  
 Shock Resistance: 300 g [ 3 ms]  
 Lighting strike EIA 364-75: 10K amps - 6 times  
 Thermal shock: 5 cycles: -65°C to +150°C  
 EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)  
 Salt Spray Corrosion: max. 48 hr

## DRAWINGS

### Draws



### Dimensions

	C	D	E	G	Lr	Ls	P	S1	S2	e
mm.	17.2	6.8	4.5	16.8	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0.68	0.27	0.18	0.66	0.72	0.72	0.21	0.49	0.67	

## RECOMMENDED BY LEMO

### Tools

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## Cables

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