

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low	7
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

Series	1M
Termination type	Female print PCB
IP rating	68
Cable Ø	0.00 - 0.00 mm
Status	active
Alternative part	
Matching parts	<a href="#">FMN.1M.307.XLC</a>

### Download

- [Request a quote](#)
- [PCB Eagle Pattern](#)
- [PCB Altium 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	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	6.35 g

### Performance

Configuration	1M.307 : 7 Low Voltage
Insulator	L: PEEK
Rated Current	7.0 Amps

### Specifications

Contact Type: Print (straight)
Max. Matings: 3000
Contact Dia.: 0.7 mm (0.028in)

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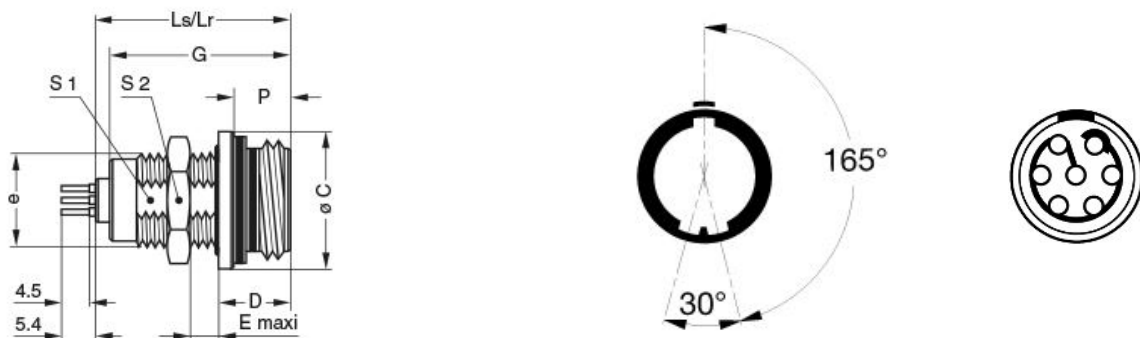
R (max): 6.1 mOhm  
 Test voltage (kV rms) Contact-contact: 1.45  
 Test voltage (kV rms) Contact-shell: 1.2

## Others

Endurance (Shell): 3000 mating cycles  
 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  
 IP Rating: 68

## DRAWINGS

### Draws



### Dimensions

	C	D	E	G	Lr	Ls	P	S1	S2	e
mm.	14.2	6.8	4.5	16.8	18.3	18.3	5.3	9.5	13	M11x1.0
in.	0,56	0,27	0,18	0,66	0,72	0,72	0,21	0,37	0,51	

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# RECOMMENDED BY LEMO

## Tools

None

## Cables

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