

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	1M
Termination type	Female print PCB
IP rating	68
AWG wire size	20.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FMN.1M.302.XLC</a>

### Download

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

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HE*: Fixed receptacle, nut fixing for printed circuit, watertight
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Variant	P : Watertight
Weight	5.76 g

### Performance

Configuration	1M.302 : 2 Low Voltage
Insulator	L: PEEK
Rated Current	19.0 Amps

### Specifications

Contact Type: Print (straight)  
Contact Dia.: 1.3 mm (0.051in)  
R (max): 3.6 mOhm

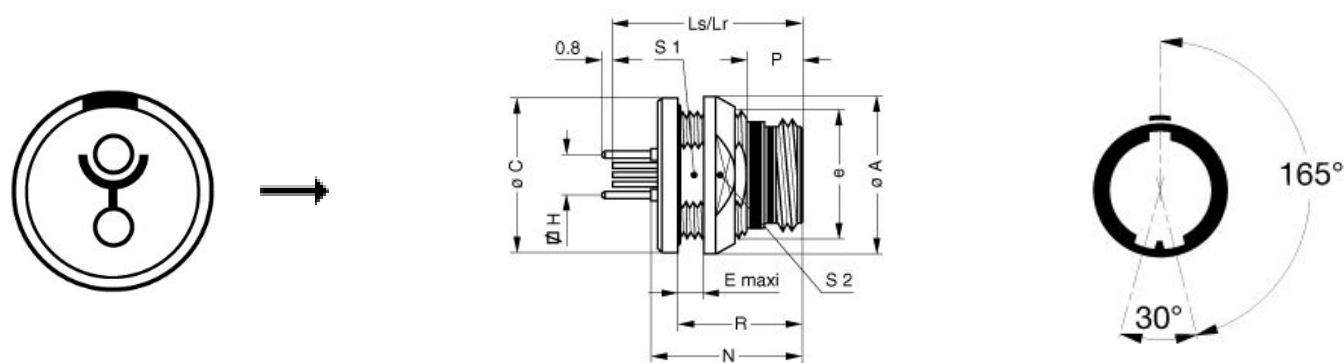
### Others

Endurance (Shell): 3000 mating cycles

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Temp (min / max): -20° C / +80° 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



### Dimensions

	A	C	E	H	Lr	Ls	N	P	R	S1	S2	e
mm.	18	17.8	5	7.62	21	20.8	16.8	5.3	13.8	12.5	16	M14x1.00
in.	0,71	0,70	0,20	0,30	0,83	0,82	0,66	0,21	0,54	0,49	0,63	

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCM.65.000.4PA](#)

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