

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	2M
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	FMN.2M.304.XLCT

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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 [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	6.13 g

Performance

Configuration	2M.304 : 4 Low Voltage
Insulator	L: PEEK
Rated Current	15.5 Amps

Specifications

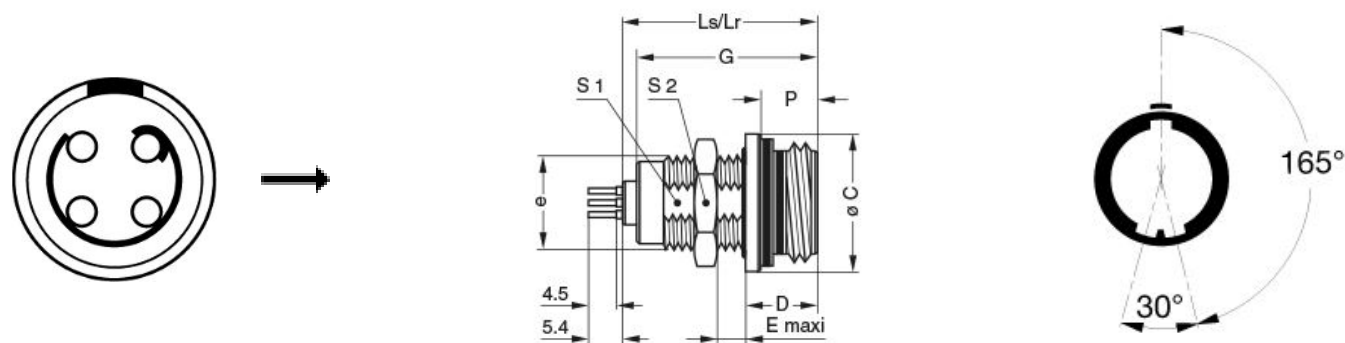
Contact Type: Print (straight)
Contact Dia.: 1.3 mm (0.051in)
R (max): 3.6 mOhm
Test voltage (kV rms) Contact-contact: 1.55
Test voltage (kV rms) Contact-shell: 1.35

Others

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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

DRAWINGS



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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