

SUMMARY

Wires

Low voltage 12



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.312.XLC](#)

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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, anthracite color) shell and nut, other pieces bronze/brass
Variant P : Watertight
Weight 9.94 g

Performance

Configuration 2M.312 : 12 Low Voltage
Insulator L: PEEK
Rated Current 7 Amps

Specifications

Contact Type: Print (straight)
Contact Dia.: 0.7 mm (0.028in)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.65
Test voltage (kV rms) Contact-shell: 1.15

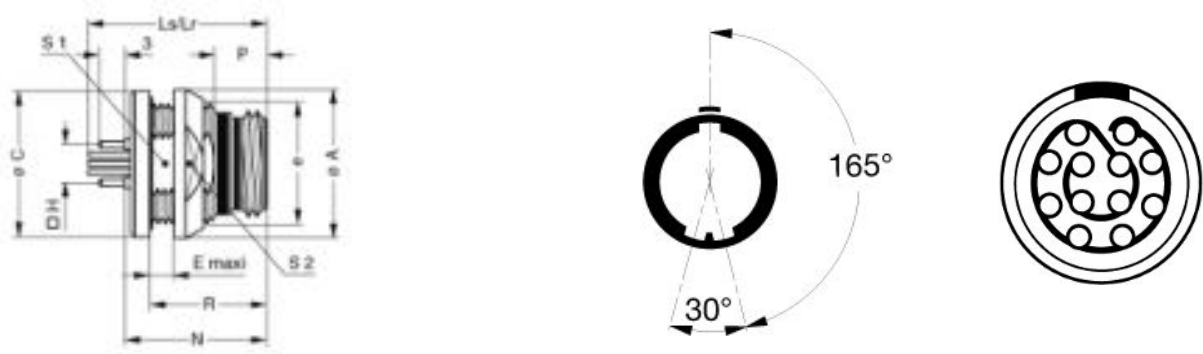
Others

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Endurance (Shell): 3000 mating cycles
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

Draws



Dimensions

	A	C	E	H	Lr	Ls	N	P	R	S1	S2	e
mm.	21	20.8	5	8.89	21	20.8	16.8	5.3	13.8	15.5	18	M17x1.00
in.	0.83	0.82	0.20	0.35	0.83	0.82	0.66	0.21	0.54	0.61	0.71	

RECOMMENDED BY LEMO

Tools

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

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Cables

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