

SUMMARY

Wires

Low voltage 114



Image is for illustrative purpose only

Series 5M
Termination type Female print PCB
IP rating 68
AWG wire size 30.00 - 22.00
Cable Ø 0.00 - 0.00 mm
Status active
Matching parts [FGR.5M.114.XLC](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model HE*: Fixed receptacle, nut fixing for printed circuit, watertight
Keying 5 keys (alpha=105, beta=115, gamma=30, delta=20, 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 39.54 g

Performance

Configuration 5M.114 : 114 Low Voltage
Insulator L: PEEK
Rated Current 2 Amps

Specifications

Test voltage (kV rms) Contact-contact: 1.37
Test voltage (kV rms) Contact-shell: 1.34

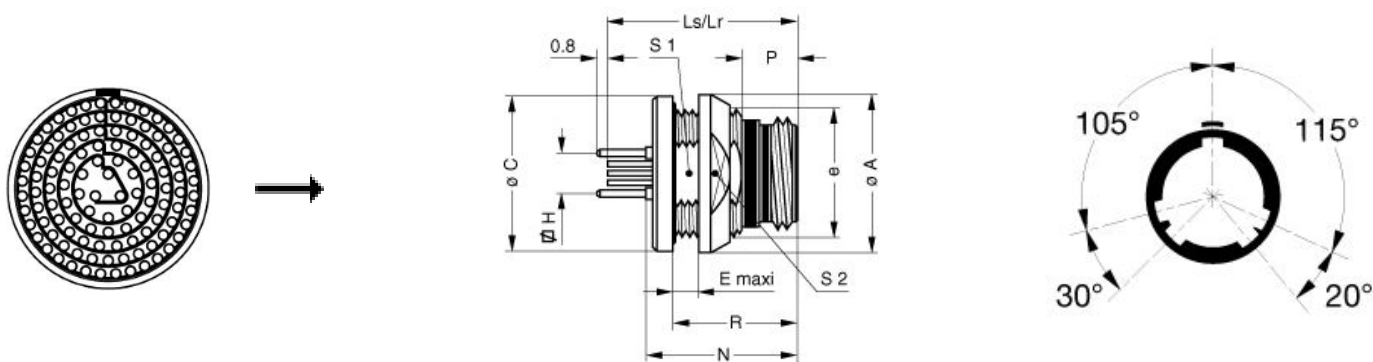
Others

Temp (min / max): -20°C / +80°C

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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.	38	36.8	4	20.32	24.6	24.6	19.9	7.9	16.9	31.5	34	M33x1.00
in.	1,50	1,45	0,16	0,80	0,97	0,97	0,78	0,31	0,67	1,24	1,34	

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCM.65.040.8PA](#)

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