

SUMMARY

Wires

Low voltage 114



Image is for illustrative purpose only

Series	5M
Termination type	Male crimp
IP rating	68 mated (mating interface)
AWG wire size	26.00 - 22.00
Cable Ø	14.25 - 28.50 mm
Status	Active
Matching parts	EGW.5M.114.XLM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and MIL spec backend
Keying	5 keys (alpha=95, beta=115, gamma=35, delta=25, 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	49.40 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

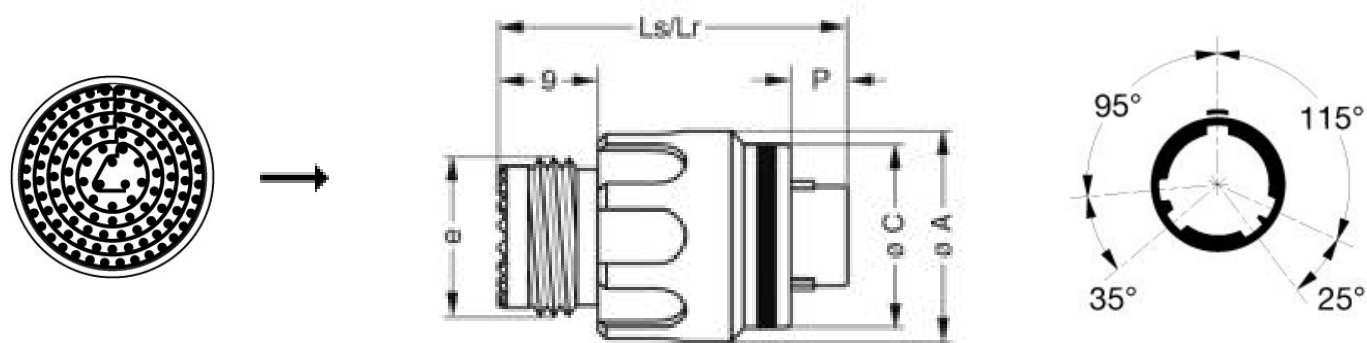
Others

Temp (min / max): -20°C / +200°C
Humidity (max): 21 days at 95%

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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	Lr	Ls	P	e
mm.	34.9	33.5	30	30	3.4	M31x1.0
in.	1,37	1,32	1,18	1,18	0,13	

RECOMMENDED BY LEMO

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 22-24-26/6-5-5
- Positionner: [DCE.91.070.5MVC](#)
- Extractor: [DCF.93.070.4LT](#)

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Replacement contact: FGN.0M.555.ZZC

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