

SUMMARY

Wires

Low voltage 68



Image is for illustrative purpose only

Series	LM
Termination type	Male crimp
IP rating	68 mated (mating interface)
AWG wire size	32.00 - 28.00
Cable Ø	11.35 - 22.70 mm
Status	Active
Matching parts	HEW.LM.368.XLNP

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FM*: Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop
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	32.56 g

Performance

Configuration	LM.368 : 68 (0.7 mm) Low Voltage
Insulator	L: PEEK
Rated Current	2.5 Amps

Specifications

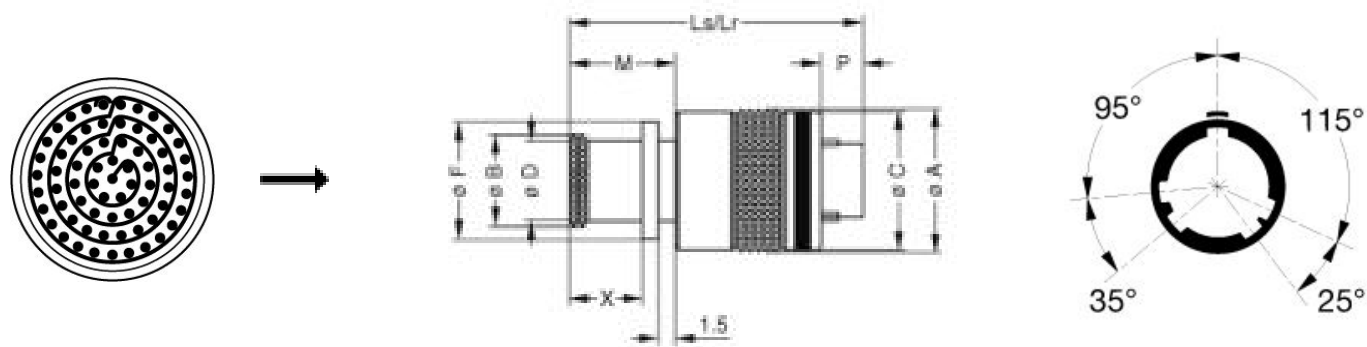
Contact Type: Crimp
Test voltage (kV rms) Contact-contact: 1.40
Test voltage (kV rms) Contact-shell: 1.65

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

	A	B	C	D	F	Lr	Ls	M	P	X
mm.	28.5	23.9	28	22.7	25.8	31.6	31.6	10.6	3.4	7.6
in.	1,12	0,94	1,10	0,89	1,02	1,24	1,24	0,42	0,13	0,30

RECOMMENDED BY LEMO

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 28-30-32/4-3-3

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Positionner: [DCE.91.070.5MVC](#)
Extractor: [DCF.93.070.4LT](#)
Replacement contact: FGN.0M.556.ZZC

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