

SUMMARY

Wires

Low voltage	4
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Image is for illustrative purpose only

Series	1M
Termination type	Male crimp
IP rating	68
AWG wire size	0.00 - 0.00
Cable Ø	4.85 - 9.70 mm
Status	active
Matching parts	PEN.1M.304.XRMT2

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and mold stop
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	7.77 g

Performance

Configuration	1M.304_2 : 2 (0.7 mm) + 2 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated Current	

Specifications

Contact Type: Crimp

Others

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)

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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]

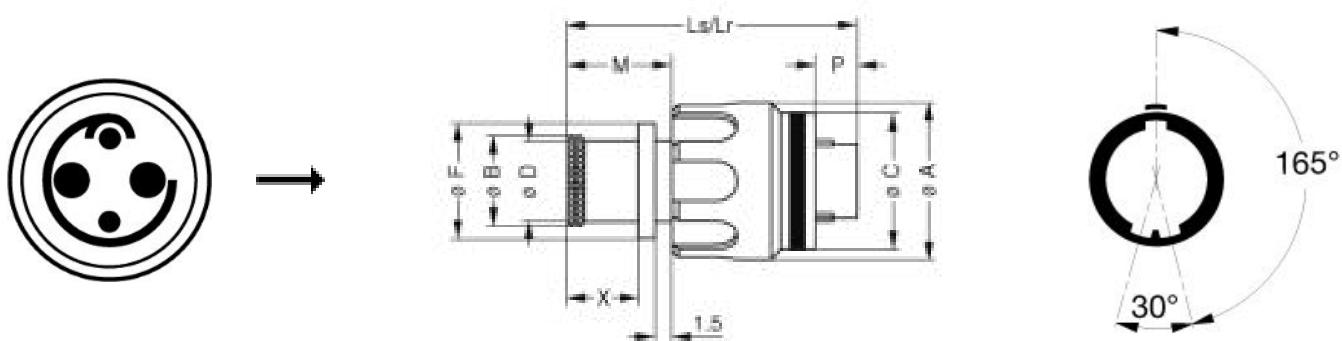
Lightning strike EIA 364-75: 10K amps - 6 times

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.	15.9	10.5	14.2	9.7	12.4	27.1	27.1	9.7	3.9	6.7
in.	0,63	0,41	0,56	0,38	0,49	1,07	1,07	0,38	0,15	0,26

RECOMMENDED BY LEMO

Tools

Crimp settings: AWG/Selector = 22-24-26 16-18-20/6-5-5 8-7-7

Positionner: [DCE.91.130.5MVC](#)

Positionner 2: [DCE.91.070.5MVC](#)

Extractor: [DCF.93.131.4LT](#)

Extractor 2: [DCF.93.070.4LT](#)

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Replacement contact: FGN.0M.555.ZZC / FGN.0M.565.ZZC

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