

SUMMARY

Wires

Low voltage 3

Series 0M
Termination type Male crimp
IP rating 68
AWG wire size 24.00 - 20.00
Cable Ø 4.00 - 8.00 mm
Status active
Matching parts [EGP.0M.303.XLM](#)



Image is for illustrative purpose only

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug with arctic grip and mold stop
Keying 3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Housing Material Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Weight 6.81 g

Performance

Configuration 0M.303 : 3 Low Voltage
Insulator L: PEEK
Rated Current 8 Amps

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Test voltage (kV rms) Contact-contact: 1.70
Test voltage (kV rms) Contact-shell: 1.4

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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)

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

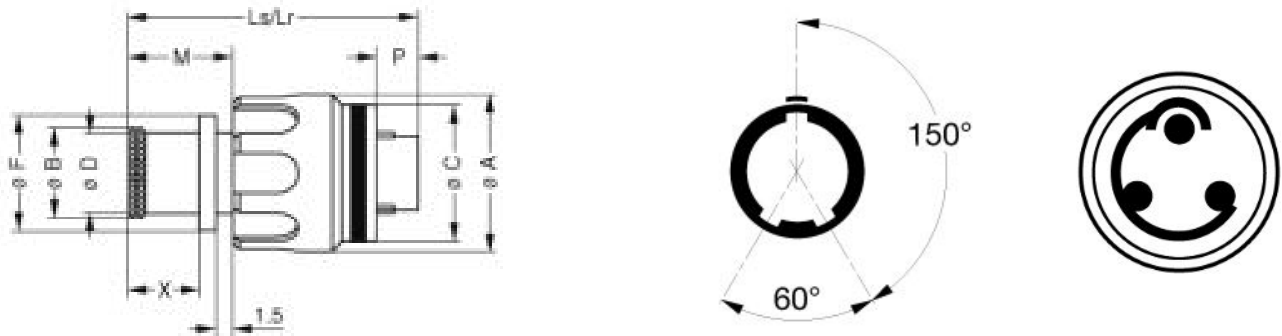
Thermal shock: 5 cycles: -65°C to +150°C

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	B	C	D	F	Lr	Ls	M	P	X
mm.	14.4	8.8	12.7	8	10.7	27.1	27.1	9.7	3.9	6.7
in.	0.57	0.35	0.50	0.31	0.42	1.07	1.07	0.38	0.15	0.26

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 20-22-24/6-5-5
Positionner: [DCE.91.090.5MVC](#)
Extractor: [DCF.93.090.4LT](#)
Replacement contact: FGN.0M.560.ZZC

Cables

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