

## SUMMARY

### # Wires

Low voltage	8
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*Image is for illustrative purpose only*

Series	2M
Termination type	Male crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.50 - 13.00 mm
Status	active
Matching parts	<a href="#">EGP.2M.308.XLM</a>

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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 [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	10.29 g

### Performance

Configuration	2M.308 : 8 Low Voltage
Insulator	L: PEEK
Rated Current	10 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 mm <sup>2</sup> (AWG 24)
Max. Conductor:	0.5 mm <sup>2</sup> (AWG 20)
R (max):	4.8 mOhm
Test voltage (kV rms)	Contact-contact: 1.95

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Test voltage (kV rms) Contact-shell: 1.1

## 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]

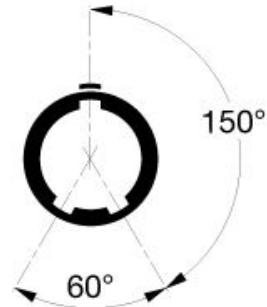
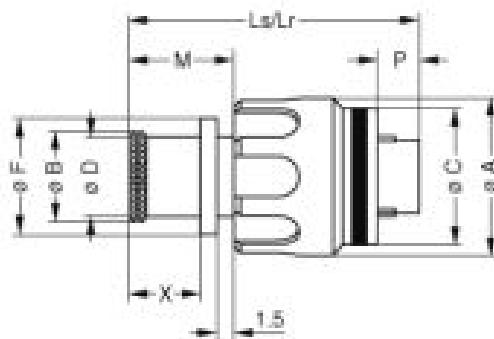
Lighting strike EIA 364-75: 10K amps - 6 times

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



## Dimensions

	A	B	C	D	F	Lr	Ls	M	P	X
mm.	18.9	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0,74	0,55	0,68	0,51	0,61	1,08	1,08	0,40	0,15	0,28

## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<a href="#"><u>DCE.91.090.5MVC</u></a>
Extractor:	<a href="#"><u>DCF.93.090.4LT</u></a>
Replacement contact:	FGN.0M.560.ZZC

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