

## SUMMARY

### # Wires

Low voltage 4

Series MM  
Termination type Male crimp  
IP rating 68  
AWG wire size 32.00 - 28.00  
Cable Ø 2.80 - 5.60 mm  
Status active  
Matching parts [EGN.MM.304.XLM](#)



*Image is for illustrative purpose only*

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug with arctic grip  
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 4.50 g

### Performance

Configuration MM.304 : 4 Low Voltage  
Insulator L: PEEK  
Rated Current 2 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 12 N  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Min. Conductor: 0.035 mm<sup>2</sup> (AWG 32)  
Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

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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]

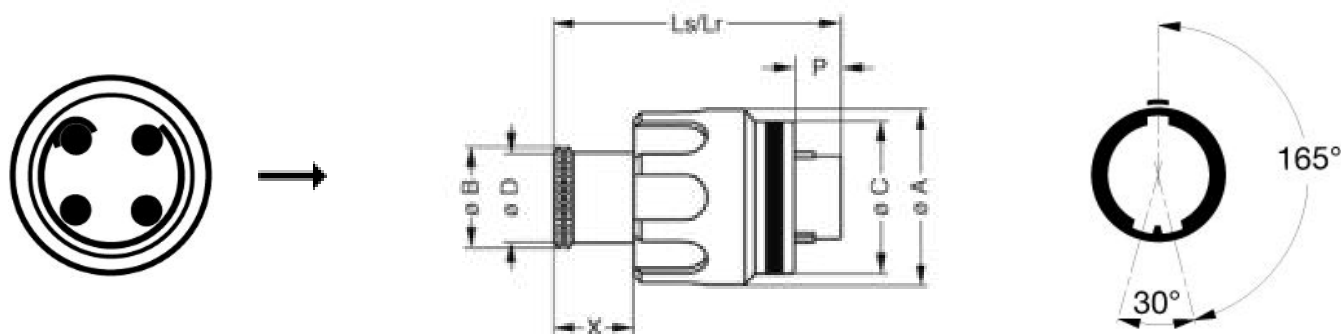
Lighting strike EIA 364-75: 10K amps - 6 times

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



## Dimensions

	A	B	C	D	Lr	Ls	P	X
mm.	12	6.4	10.7	5.6	21.3	21.3	5.5	5.8
in.	0,47	0,25	0,42	0,22	0,84	0,84	0,22	0,23

## RECOMMENDED BY LEMO

### Tools

Crimp Tool: [DPC.91.701.V](#)

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Crimp settings: AWG/Selector = 28-30-32/4-3-3  
Positionner: [DCE.91.050.0VC](#)  
Extractor: [DCF.91.050.2LT](#)  
Replacement contact: FGG.00.554.ZZC

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