

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

Series	MM
Termination type	Female crimp
IP rating	68 when mated
AWG wire size	32.00 - 28.00
Cable Ø	2.80 - 5.60 mm
Status	active
Matching parts	<a href="#">FMN.MM.304.XLC</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EG*: Fixed receptacle, nut fixing
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	2.91 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]

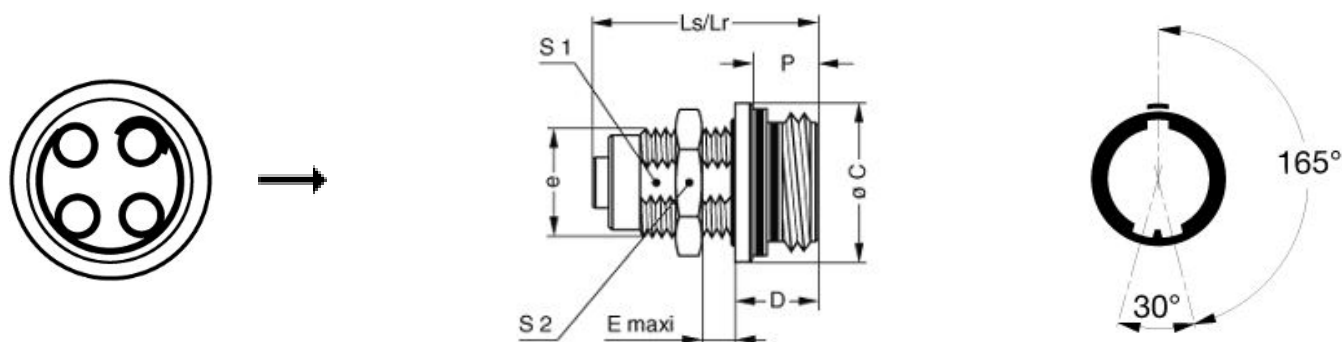
Lighting strike EIA 364-75: 10K amps - 6 times

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

	C	D	E	Ls	Ls	P	S1	S2	e
mm.	10.7	5.2	4.5	15	15	3.7	6.3	9	M7x0.5
in.	0,42	0,20	0,18	0,59	0,59	0,15	0,25	0,35	

## 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.91.050.0VM](#)  
Extractor: [DCC.05.02B.LAG](#)  
Replacement contact: EGG.00.654.ZZM

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