

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

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	<a href="#">EGN.MM.304.XLM</a>

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[Catalog](#)

[See video assembly instructions](#)

## 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

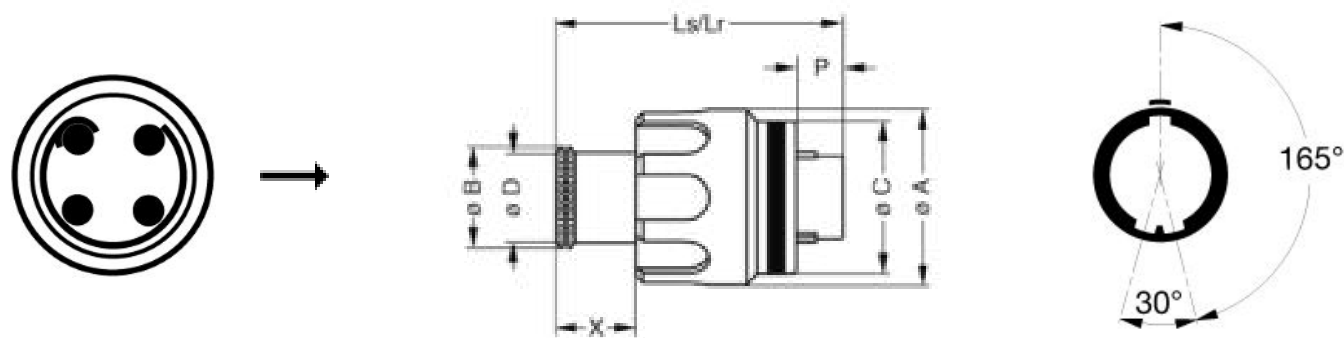
Contact Type: Crimp  
Contact Retention: 12 N  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Min. Conductor: 0.035 mm<sup>2</sup> (AWG 32)  
Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

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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:	<a href="#">DCE.91.050.0VC</a>
Extractor:	<a href="#">DCF.91.050.2LT</a>
Replacement contact:	FGG.00.554.ZZC

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