

## SUMMARY

### # Wires

Low voltage 2

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 [PMN.0M.302.XLMT](#)



Image is for illustrative purpose only

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[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FM\*: Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop  
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 6.22 g

### Performance

Configuration 0M.302 : 2 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

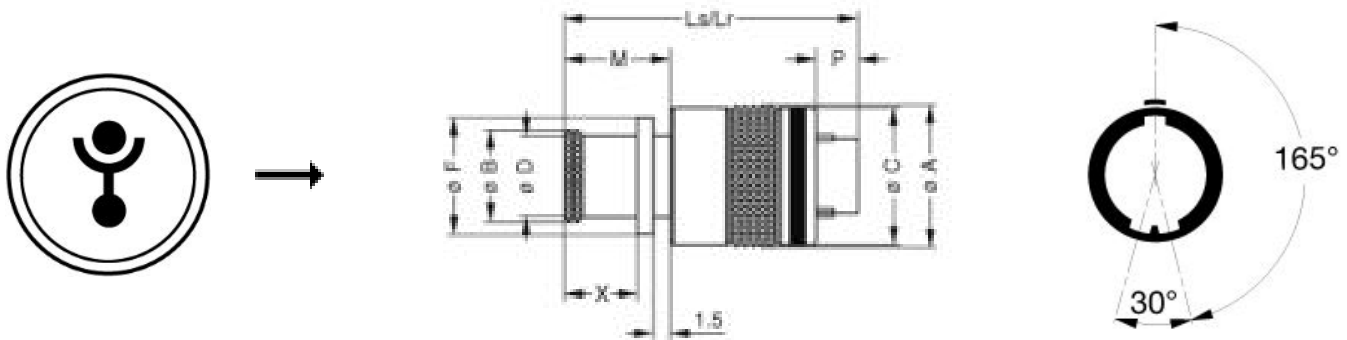
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Test voltage (kV rms) Contact-contact: 1.45  
 Test voltage (kV rms) Contact-shell: 1

## 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.	13.1	8.8	12.7	8	10.7	27.1	27.1	9.7	3.9	6.7
in.	0,52	0,35	0,50	0,31	0,42	1,07	1,07	0,38	0,15	0,26

## RECOMMENDED BY LEMO

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## Tools

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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