

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 0M  
Termination type Female crimp  
IP rating 68  
AWG wire size 24.00 - 20.00  
Cable Ø 4.00 - 8.00 mm  
Status active  
Matching parts [FMN.0M.302.XLC](#)

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PM\*: Free receptacle with knurled grip  
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)  
Housing Material Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass  
Weight 7.22 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  
Test voltage (kV rms) Contact-contact: 1.45  
Test voltage (kV rms) Contact-shell: 1

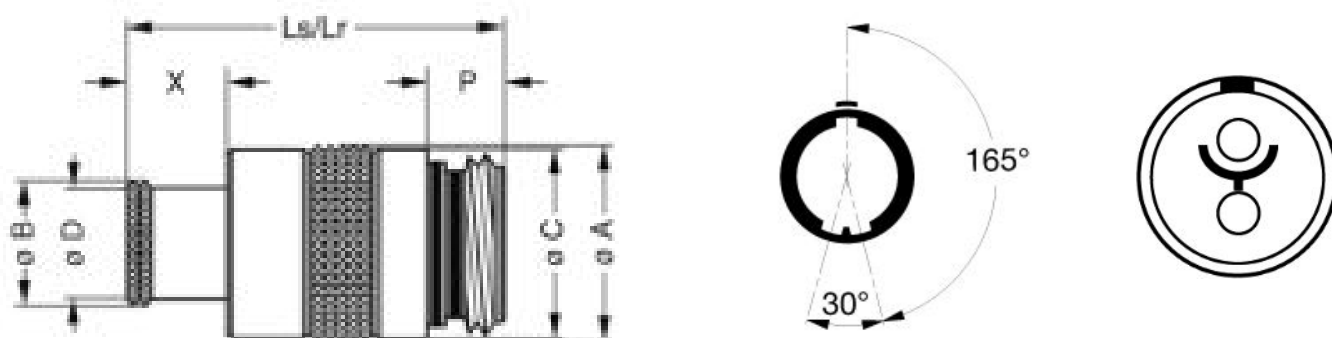
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## Others

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

### Draws



### Dimensions

	A	B	C	D	Lr	Ls	P	X
mm.	13.1	8.8	12.7	8	25.6	25.6	5.3	6.7
in.	0.52	0.35	0.50	0.31	1.01	1.01	0.21	0.26

## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 20-22-24/6-5-5  
Positionner: [DCE.91.090.3MVM](#)  
Extractor: [DCF.93.090.4LT](#)  
Replacement contact: EGN.0M.660.ZZM

## Cables

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