

## SUMMARY

### # Wires

Low voltage 19



*Image is for illustrative purpose only*

Series 2M  
Termination type Male crimp  
IP rating 68  
AWG wire size 26.00 - 22.00  
Cable Ø 6.50 - 13.00 mm  
Status active  
Matching parts [PMN.2M.319.XLMM](#)

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[Catalog](#)  
[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 MIL-DTL-38999L shell thread  
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 10.82 g

### Performance

Configuration 2M.319 : 19 Low Voltage  
Insulator L: PEEK  
Rated Current 4 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

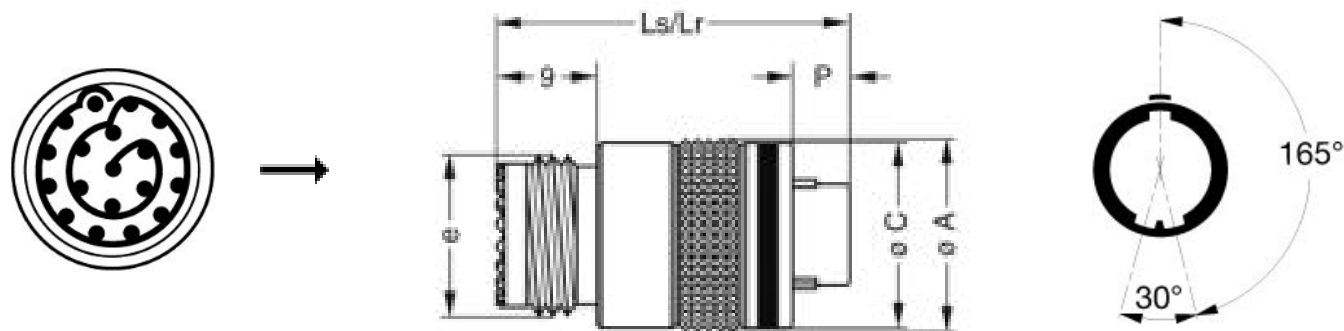
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Test voltage (kV rms) Contact-contact: 1.2  
Test voltage (kV rms) Contact-shell: 0.95

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	C	Lr	Ls	P	e
mm.	17.6	17.2	26.4	26.4	3.9	M15x1.0
in.	0,69	0,68	1,04	1,04	0,15	

RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<a href="#">DCE.91.070.5MVC</a>
Extractor:	<a href="#">DCF.93.070.4LT</a>
Replacement contact:	FGN.0M.555.ZZC

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