

## SUMMARY

### # Wires

Low voltage 19



*Image is for illustrative purpose only*

Series 2M  
Termination type Male crimp  
IP rating 68 when mated  
AWG wire size 32.00 - 28.00  
Cable Ø 6.50 - 13.00 mm  
Status active  
Matching parts [HEN.2M.319.XLNP](#)

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## 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 10.77 g

### Performance

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

### Specifications

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

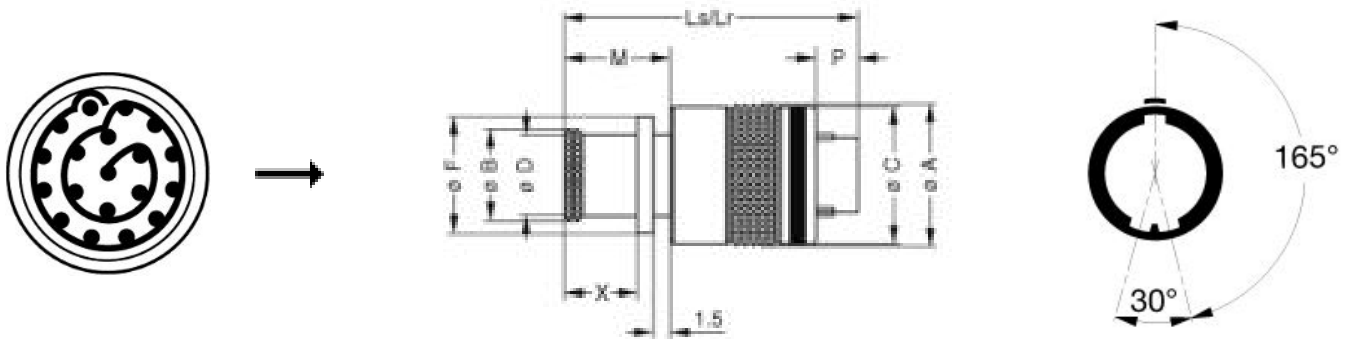
### Others

Endurance (Shell): 3000 mating cycles

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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.	17.6	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0,69	0,55	0,68	0,51	0,61	1,08	1,08	0,40	0,15	0,28

## RECOMMENDED BY LEMO

### Tools

- Crimp Tool: [DPC.91.701.V](#)  
 Crimp settings: AWG/Selector = 28-30-32/4-3-3  
 Positionner: [DCE.91.070.5MVC](#)

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Extractor: [DCF.93.070.4LT](#)  
Replacement contact: FGN.0M.556.ZZC

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