

## SUMMARY

### # Wires

Low	19
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

Series	2M
Termination type	Male crimp
IP rating	68
Cable Ø	6.50 - 13.00 mm
Status	active
Alternative part	
Matching parts	<a href="#"><u>FMS.2M.319.XLM</u></a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EG*: Fixed receptacle, nut fixing
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Housing Material	Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	8.46 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)

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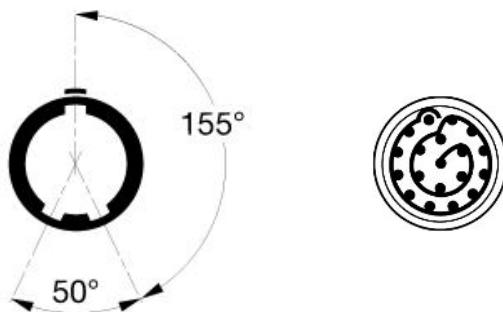
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
 Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 R (max): 6.1 mOhm  
 Test voltage (kV rms) Contact-contact: 1.2  
 Test voltage (kV rms) Contact-shell: 0.95

## 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  
 IP Rating: 68

## DRAWINGS

### Draws



### Dimensions

	C	D	E	Ls	Ls	P	S1	S2	e
mm.	17.2	6.8	4.5	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0.68	0.27	0.18	0.72	0.72	0.21	0.49	0.67	

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# RECOMMENDED BY LEMO

## Tools

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

## Cables

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