

## SUMMARY

### # Wires

Low	10
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	2M
Termination type	Male crimp
IP rating	68
Cable Ø	6.50 - 13.00 mm
Status	active
Alternative part	
Matching parts	<a href="#">ECN.2M.310.XRM8</a>

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	10.14 g

### Performance

Configuration	2M.310_8 : 8 (0.7 mm) + 2 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated Current	8 Amps

### Specifications

Contact Type: Crimp
Max. Matings: 3000
Contact Retention: 30 N

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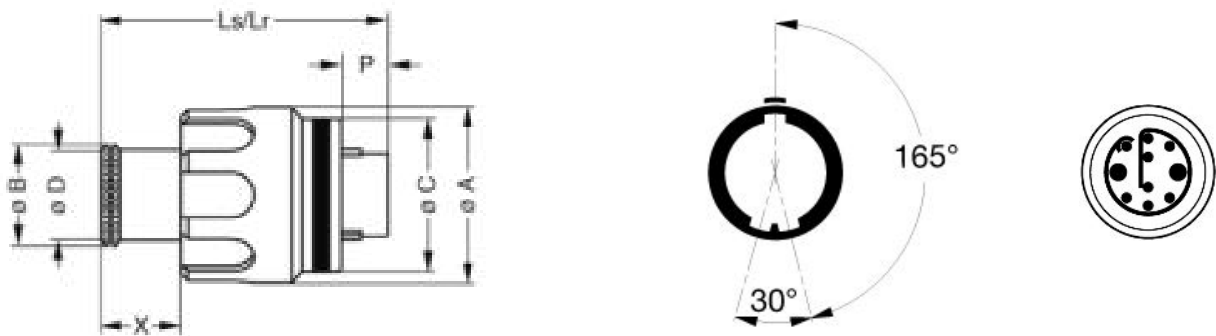
Contact Dia.: 0.9 mm (0.035in)  
 Bucket Dia.: 1.1 mm (0.043in)  
 Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
 Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 R (max): 4.8 mOhm  
 Test voltage (kV rms) Contact-contact: 1.8  
 Test voltage (kV rms) Contact-shell: 1.2

## 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

	A	B	C	D	Lr	Ls	P	X
mm.	18.9	14	17.2	13	24.5	24.5	3.9	7.1
in.	0,74	0,55	0,68	0,51	0,96	0,96	0,15	0,28

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# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V  
Crimp settings: AWG/Selector = 22-24-26 16-18-20/6-5-5 8-7-7  
Positionner: DCE.91.070.5MVC  
Positionner 2: DCE.91.130.5MVC  
Extractor: DCF.93.131.4LT  
Extractor 2: DCF.93.070.4LT  
Replacement contact: FGN.0M.555.ZZC / FGN.0M.565.ZZC

## Cables

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