

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 2M  
Termination type Male crimp  
IP rating 68 when mated  
AWG wire size 26.00 - 22.00  
Cable Ø 6.50 - 13.00 mm  
Status active  
Matching parts [PHN.2M.310.XLPT](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug with arctic 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 10.37 g

### Performance

Configuration 2M.310 : 10 Low Voltage  
Insulator L: PEEK  
Rated Current 8 Amps

### Specifications

Contact Type: Crimp  
Test voltage (kV rms) Contact-contact: 1.8  
Test voltage (kV rms) Contact-shell: 1.2

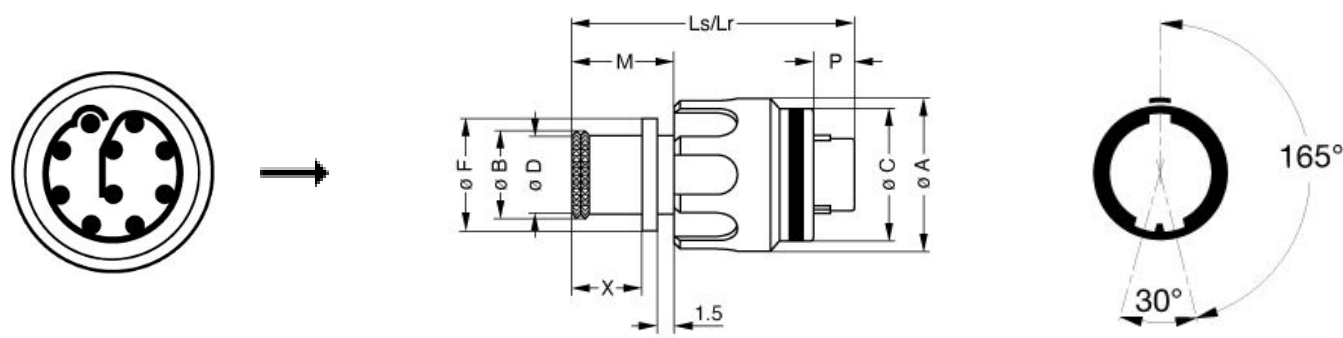
### Others

Endurance (Shell): 3000 mating cycles  
Temp (min / max): -20°C / +200°C

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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.	18.9	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0,74	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](#)  
Positionner: [DCE.91.090.5MVC](#)  
Extractor: [DCC.09.05B.LAG](#)

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Replacement contact: FGN.0M.561.ZZC

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