

## SUMMARY

### # Wires

Low voltage 4

Series 2M  
Termination type Female crimp  
IP rating 68  
AWG wire size 20.00 - 16.00  
Cable Ø 6.50 - 13.00 mm  
Status active  
Matching parts [PES.2M.304.XLCT](#)



Image is for illustrative purpose only

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug with arctic grip and mold stop  
Keying 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)  
Housing Material Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass  
Weight 10.18 g

### Performance

Configuration 2M.304 : 4 Low Voltage  
Insulator L: PEEK  
Rated Current 15.5 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 40 N  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1.4 mm (0.055in)  
Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.6 mOhm  
Test voltage (kV rms) Contact-contact: 1.55

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Test voltage (kV rms) Contact-shell: 1.55

## 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]

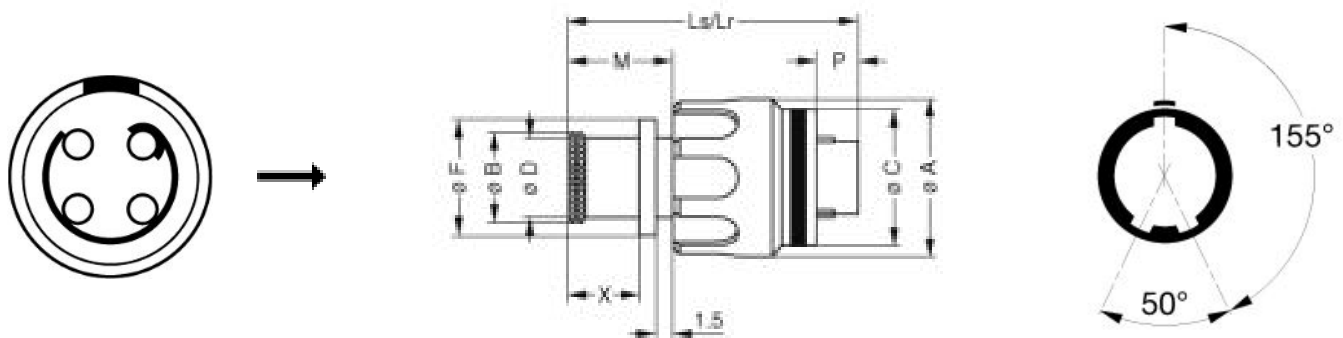
Lighting strike EIA 364-75: 10K amps - 6 times

Thermal shock: 5 cycles: -65°C to +150°C

EMI Shielding EIA 364-66A:  $\geq 80$  dB (1 GHz),  $\geq 70$  dB (3 GHz),  $\geq 58$  dB (6 GHz),  $\geq 40$  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

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 16-18-20/8-7-7
Positionner:	<a href="#">DCE.91.130.5MVM</a>
Extractor:	<a href="#">DCF.93.131.4LT</a>
Replacement contact:	EGN.0M.665.ZZM

## Cables

240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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