

## SUMMARY

### # Wires

Low voltage 30

Series 3M  
Termination type Male crimp  
IP rating 68 when mated  
AWG wire size 26.00 - 22.00  
Cable Ø 7.50 - 15.00 mm  
Status active  
Matching parts [PMN.3M.330.XLM](#)



*Image is for illustrative purpose only*

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[See video assembly instructions](#)

## 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  
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 14.46 g

### Performance

Configuration 3M.330 : 30 Low Voltage  
Insulator L: PEEK  
Rated Current 3.5 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
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: 1.10

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Test voltage (kV rms) Contact-shell: 1.00

## 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]

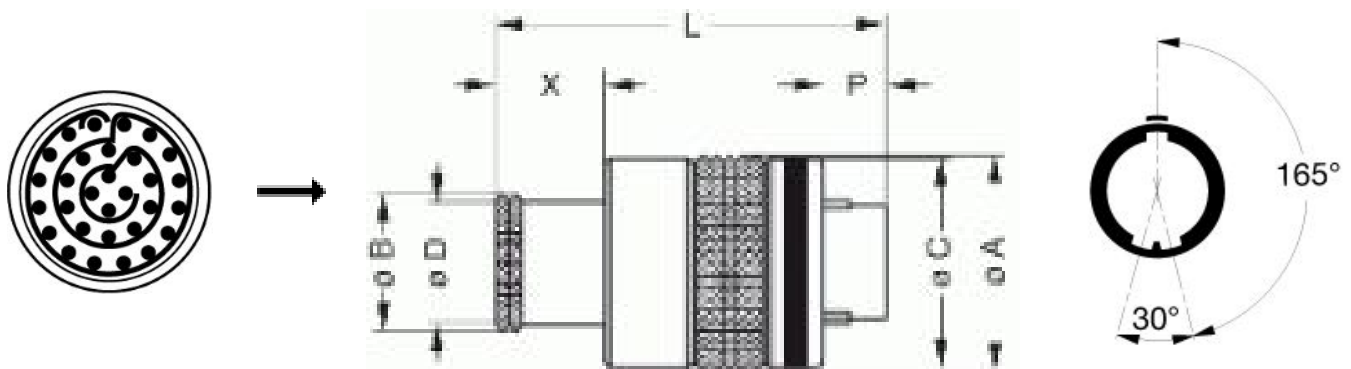
Lighting strike EIA 364-75: 10K amps - 6 times

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	Lr	Ls	P	X
mm.	19.6	16	19.2	15	24.5	24.5	3.9	7.1
in.	0,77	0,63	0,76	0,59	0,96	0,96	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 = 22-24-26/6-5-5
Positionner:	<a href="#">DCE.91.070.5MVC</a>
Extractor:	<a href="#">DCF.93.070.4LT</a>
Replacement contact:	FGN.0M.555.ZZC

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