

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

Series 0M  
Termination type Male crimp  
IP rating 68  
AWG wire size 26.00 - 22.00  
Cable Ø 4.00 - 8.00 mm  
Status active

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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  
Variant A : Blue anodized  
Weight 6.52 g

### Performance

Configuration 0M.305 : 5 Low Voltage  
Insulator L: PEEK  
Rated Current 6.5 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

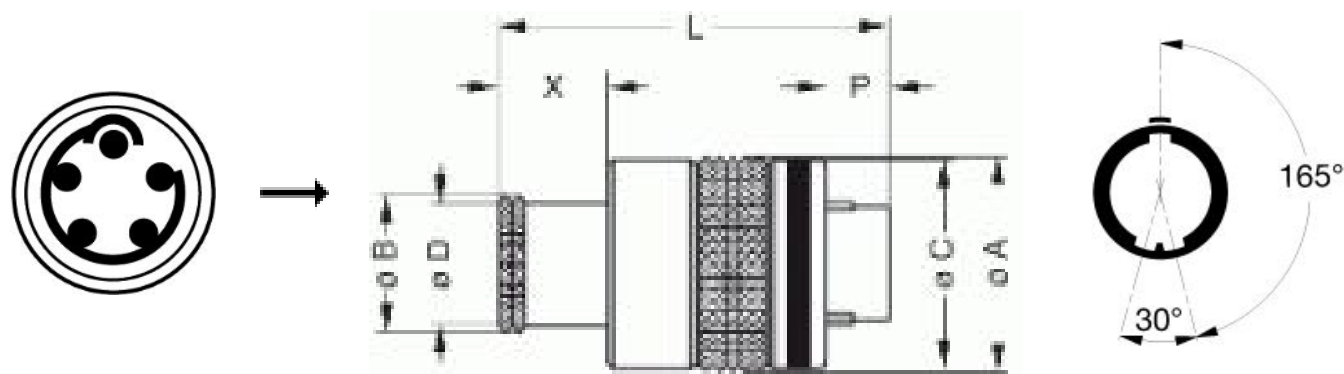
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Test voltage (kV rms) Contact-contact: 1.25  
Test voltage (kV rms) Contact-shell: 1

Others

- Endurance (Shell): 3000 mating cycles
- 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)

DRAWINGS



Dimensions

	A	B	C	D	Lr	Ls	P	X
mm.	13.1	8.8	12.7	8	24.1	24.1	3.9	6.7
in.	0,52	0,35	0,50	0,31	0,95	0,95	0,15	0,26

RECOMMENDED BY LEMO

Tools

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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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