

## SUMMARY

### # Wires

Low voltage	4
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*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
Matching parts	<a href="#">FMS.0M.304.XLM</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	EG*: Fixed receptacle, nut fixing
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	3.99 g

### Performance

Configuration	0M.304 : 4 Low Voltage
Insulator	L: PEEK
Rated Current	7 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: 1.35

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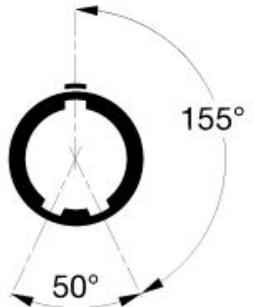
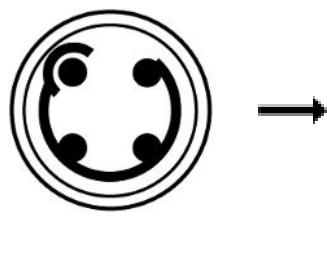
Test voltage (kV rms) Contact-shell: 0.9

## 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

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## DRAWINGS



## Dimensions

	C	D	E	Ls	Ls	P	S1	S2	e
mm.	12.7	6.8	5	18.3	18.3	5.3	8.2	11	M9x0.6
in.	0,50	0,27	0,20	0,72	0,72	0,21	0,32	0,43	

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## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#"><u>DPC.91.701.V</u></a>
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	<a href="#"><u>DCE.91.070.5MVC</u></a>
Extractor:	<a href="#"><u>DCF.93.070.4LT</u></a>
Replacement contact:	FGN.0M.555.ZZC

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