



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	1
Wire Size/AWG	20 - 16
Size	0M
Series	M - Rugged Ratchet coupling

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/fgn-0m-565-zzc.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fgn-0m-565-zzc.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
Contact Dia.	1.3
Number of contacts Low Voltage	1
Wire Size/AWG	20 - 16

## Form & Material

Shell style / Model id	FG - Male crimp contact for M series, standard barrel
Housing material	Gold plated [ISO 27874] brass
Keying	No keying
Weight	0.24 g

## Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	No IP rating
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)
Gunfire vibration	25 Hz - 2000 Hz, 3 axis (Apache helicopter)
Humidity (max)	21 days at 95%
Lighting strike EIA 364-76	10K amps - 6 times
Shock Resistance	300 g [ 3 ms]
Thermal shock	5 cycles: -65°C to +150°C
Vibration-Random	37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
Vibration-Sine	30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
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