



*Image for illustrative purpose only*

## Summary

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|                                |                                |
|--------------------------------|--------------------------------|
| Number of contacts Low Voltage | 1                              |
| Wire Size/AWG                  | 20 - 16                        |
| Size                           | 0M                             |
| Suggested matching part        | <a href="#">FGN.0M.565.ZZC</a> |
| Series                         | M - Rugged Ratchet coupling    |

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/egn-0m-665-zzm.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/egn-0m-665-zzm.html)

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# Technical details

## Electrical Configuration

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

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EG - Female crimp contact for M series, standard barrel |
| Housing material       | Gold plated [ISO 27874] bronze                          |
| 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]   |

# Recommended By Lemo

## Tools

|            |                              |
|------------|------------------------------|
| Crimp tool | <a href="#">DPC.91.701.V</a> |
|------------|------------------------------|

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