



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	8
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Size	1M
Suggested matching part	<a href="#">FGS.1M.308.CLMM</a>
Series	M - Rugged Ratchet coupling

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	1M.308 - 8 Low Voltage
Insulator	L: PEEK
Rated current	5 A
Test voltage (kV rms) Contact-contact	1.3
Test voltage (kV rms) Contact-shell	1.1
Contact Dia.	0.7 mm (0.028in)
Gender	Reverse Gender

## Form & Material

Shell style / Model id	HE - Fixed receptacle, nut fixing for printed circuit, watertight
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Ratchet
Keying	S: 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Watertight unmated (connector to device)
Weight	14.64 g

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Endurance	3000 mating cycles
Temperature range	-20°C / +80°C
EMI Shielding EIA 364-66A	>= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 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]
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]
Salt Spray Corrosion	>1000 hr

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">BGK.1M.200.XAZ</a>
----------------	--------------------------------

### Tools

Spanner wrench	<a href="#">DCM.65.160.AZ</a>
----------------	-------------------------------

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-1m-308-cldp.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.