



Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	10
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Size	2M
Matching parts	FMS.2M.310.XLM
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

Contact Termination Low voltage	PCB - Straight
Insert configuration value	2M.310 - 10 Low Voltage
Insulator	L: PEEK
Rated current	8 Amps
Test voltage (kV rms) Contact-contact	1.8
Test voltage (kV rms) Contact-shell	1.2
Contact Type	Print (straight)
Contact Dia.	0.9
Number of contacts Low Voltage	10
Gender	Reverse Gender

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-2m-310-xldp.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.

Form & Material

Shell style / Model id	HE - Fixed receptacle, nut fixing for printed circuit, watertight
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Variant	Watertight unmated (connector to device)
Weight	9.53 g

Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP68
Minimal temperature	-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	max. 48 hr

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-2m-310-xldp.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.