



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	5
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Ratchet
Size	0M
Series	M - Rugged Ratchet coupling

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-0m-305-lldpr.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	5
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	0M.305 - 5 Low Voltage
Insulator	L: PEEK
Rated current	6.5 A
Test voltage (kV rms) Contact-contact	1.25
Test voltage (kV rms) Contact-shell	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
Locking system	Ratchet
Keying	S: 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Variant	Watertight unmated (connector to device)
Weight	5.09 g

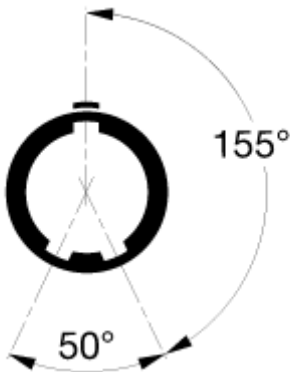
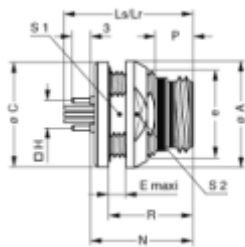
Environment

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]

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hes-0m-305-ildpr.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.

Drawings



Dimensions

	A	C	e	E	H	Ls	Lr	N	P	R	S1	S2
mm.	17	16.8	M13x0.75	5	5.08	20.8	21	16.8	5.3	13.8	11.5	14
in.	0.67	0.66		0.2	0.2	0.82	0.83	0.66	0.21	0.54	0.45	0.55

Recommended By Lemo

Tools

Spanner 2	DCM.65.140.AZ
Spanner wrench	DCM.65.140.AZ

CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download