EDT.0M.305.XLD



Summary

Request a quote

Catalog

Number of contacts Low Voltage	5
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Size	0M
Matching parts	FMT.0M.305.XLM
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

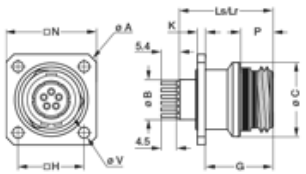
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	0M.305 - 5 Low Voltage
Insulator	L: PEEK
Rated current	6.5 Amps
Test voltage (kV rms) Contact-contact	1.25
Test voltage (kV rms) Contact-shell	1
Contact Type	Print (straight)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	5
Gender	Reverse Gender

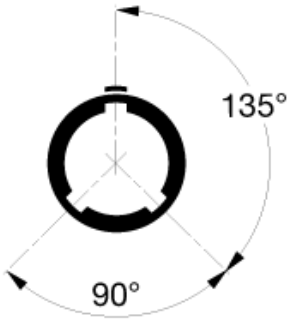
https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/edt-0m-305-xld.html
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Form & Material	
Shell style / Model id	ED - Fixed receptacle with square flange for printed circuit
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	3 keys (beta=135, gamma=90, plug: female contacts, receptacle: male contacts)
Weight	3.55 g
Environment	
Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Temperature range	-20°C / +200°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]
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]
Salt Spray Corrosion	max. 48 hr

Drawings







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Dimensions

	A	B	C	G	H	K	Ls	Lr	N	P	SV
mm.	20.6	4.72	12.7	12.8	11	1.5	18.3	18.3	16	5.3	2.7
in.	0.81	0.19	0.5	0.5	0.43	0.06	0.72	0.72	0.63	0.21	0.11

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