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Summary

Request a quote

Catalog	
Number of contacts Low Voltage	68
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	11.35 - 22.70 mm
Size	LM
Suggested matching part	FMR.LM.368.XLC
Series	M - Rugged Ratchet coupling

Technical details

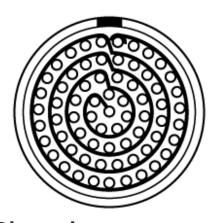
Electrical Configuration

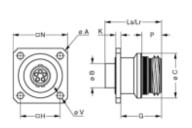
Number of contacts Low Voltage Crimp R (max) 6.1 mOhm Insert configuration value LM.368 - 68 (0.7 mm) Low Voltage Insulator L: PEEK Rated current 2.5 A Test voltage (kV rms) Contact-contact 1.40 Test voltage (kV rms) Contact-shell 1.65 Contact retention 22 N Max. Conductor 0.34 mm^2 (AWG 22) Min. Conductor 0.14 mm^2 (AWG 22) Min. Conductor 0.08 mm (0.031in) Contact Dia. 0.7 mm (0.028in) Wire Size/AWG 26-22 Gender Standard Form & Material Socket / Receptacle ED - Fixed receptacle with square flange 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 Grey Colour Grey							
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R: 5 keys (alpha=105, beta=115, gamma=30, delta=20, plug: male contacts, receptacle: female contacts)	Housing material	anthracite color) shell and nut, other pieces					
Keying delta=20, plug: male contacts, receptacle: female contacts)	Locking system	Ratchet					
Colour Grey	Keying	delta=20, plug: male contacts, receptacle: female					
	Colour	Grey					

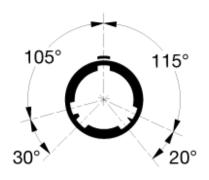
Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV				
Environmental sealing (IP rating)	IP68				
Endurance	3000 mating cycles				
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				
Cable fixation					
Jacket cable outside diameter [mm]	11.35 - 22.70 mm				

Drawings







Dimensions

	A	В	С	G	Н	K	Ls	Lr	N	P	SV
mm.	38	17.95	28	14.5	23	2	20	21.9	28.5	7.9	3.3
in.	1.5	0.71	1.1	0.57	0.91	0.08	0.79	0.86	1.12	0.31	0.13

$\underline{https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/edr-lm-368-xlm.html}$

Recommended By Lemo

Accessories

Replacement contact	EGW.TM.655.ZZM
Compatible cap	BGE.LM.200.XAZ
Tools	
Positionner	DCE.91.07T.5MVM
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V