FMN.2M.304.XLCM





Summary

Reques	t a q	luote
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Catalog

See video assembly in	structions
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Number of contacts Low Voltage	4
Wire Size/AWG	20 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Ratchet
Jacket cable outside diameter [mm]	6.50 - 13.00 mm
Size	2M
Matching parts	EGN.2M.304.XLM
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp	
R (max)	3.6 mOhm	
Insert configuration value	2M.304 - 4 Low Voltage	
Insulator	L: PEEK	
Rated current	15.5 Amps	
Test voltage (kV rms) Contact-contact	1.55	
Test voltage (kV rms) Contact-shell	1.55	
Contact retention	40 N	
Contact Type	Crimp	
Max. Conductor	1 mm^2 (AWG 18)	
Min. Conductor	0.5 mm^2 (AWG 20)	
Bucket Dia.	1.4 mm (0.055in)	
Contact Dia.	1.3 mm (0.051in)	
Number of contacts Low Voltage	4	
Wire Size/AWG	20 - 16	
Gender	Standard	
orm & Material		
Shell style / Model id	FM - Straight plug, key (N) or keys (P, R, S, T, U, V, V and X) with knurled grip and MIL-DTL-38999L shell thread	
Plug	Straight	
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=165, gamma=30, plug: male contacts, receptacle: female contacts)	
Weight	9.3 g	

Environment

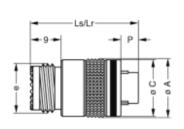
Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV	
Environmental protection (IP rating)	IP68	
Minimal temperature	-20°C / +200°C	
EMI Shielding EIA 364-66A	>= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)	
Gunfire vibration	25 Hz - 2000 Hz, 3 axis (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		
Cable termination protection	For backshell MIL-DTL-38999M	

Drawings

Fixation type

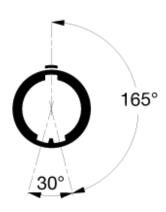


Jacket cable outside diameter [mm]



MIL-DTL-38999M

6.50 - 13.00 mm



Dimensions

	A	С	е	Ls	Lr	Р
mm.	17.6	17.2	M15x1.0	26.4	26.4	3.9
in.	0.69	0.68		1.04	1.04	0.15

$\underline{https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fmn-2m-304-xlcm.html}$

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Recommended By Lemo

Accessories

Replacement contact	FGN.0M.565.ZZC	FGN.0M.565.ZZC	
Tools			
Positionner	DCE.91.130.5MVC		
Extraction tool	DCF.93.131.4LT		
Crimp tool	DPC.91.701.V		

Cables

Cable PartNumber	Material	Colour	Cable image
240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	