### FMN.2M.312.XLCT





Image for illustrative purpose only

# **Summary**

Request a quote	
Catalog	
See video assembly instructions	
Number of contacts Low Voltage	12
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Ratchet
Jacket cable outside diameter [mm]	6.50 - 13.00 mm
Size	2M
Suggested matching part	PMN.2M.312.XLMT
Series	M - Rugged Ratchet coupling

https://www.lemo.com/int\_en/solutions/optima/m-ratchet-coupling/fmn-2m-312-xlct.html

# **Technical details**

**Electrical Configuration** 

Crimp					
2M.312 - 12 Low Voltage					
L: PEEK					
7 A					
1.65					
Standard					
S, T, U, V, W					
N 290], eces					
male					
10.03 g					

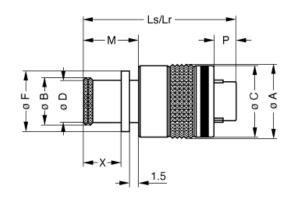
https://www.lemo.com/int\_en/solutions/optima/m-ratchet-coupling/fmn-2m-312-xlct.html

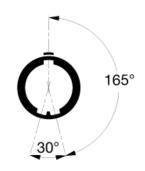
#### Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV		
Environmental sealing (IP rating)	IP68		
Endurance	3000 mating cycles		
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)		
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 overmolding		
Fixation type	Mold stop (overmolding)		
Jacket cable outside diameter [mm]	6.50 - 13.00 mm		

# Drawings







#### https://www.lemo.com/int\_en/solutions/optima/m-ratchet-coupling/fmn-2m-312-xlct.html

### **Dimensions**

	Α	В	С	D	F	Ls	Lr	Μ	Ρ	Χ
mm.	17.6	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0.69	0.55	0.68	0.51	0.61	1.08	1.08	0.4	0.15	0.28

## **Recommended By Lemo**

#### Accessories

Replacement contact	FGN.0M.555.ZZC		
Compatible cap	BMF.2M.100.XAV		
Tools			
Positionner	DCE.91.070.5MVC		
Extraction tool	DCF.93.070.4LT		
Crimp tool	DPC.91.701.V		

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