



Image for illustrative purpose only

Summary

Request a quote

Catalog		
Number of contacts Low Voltage	12	
Wire Size/AWG	26 - 22	
Gender	Reverse Gender	
Plug	Plug - Straight	
Locking system	Ratchet	
Jacket cable outside diameter [mm]	6.50 - 13.00 mm	
Size	2M	
Suggested matching part	PMS.2M.312.XLC	
Series	M - Rugged Ratchet coupling	

Technical details

Electrical Configuration

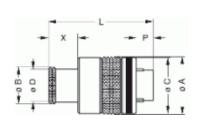
12			
Crimp			
6.1 mOhm			
2M.312 - 12 Low Voltage			
L: PEEK			
7 A			
1.65			
1.15			
22 N			
0.34 mm^2 (AWG 22)			
0.14 mm^2 (AWG 26)			
0.8 mm (0.031in)			
0.7 mm (0.028in)			
26 - 22			
Reverse Gender			
FM - Straight plug, key (N) or keys (P, R, S, T, U, V, and X) with knurled grip			
Straight			
Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass			
Ratchet			
S: 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)			
Grey			
Grey			
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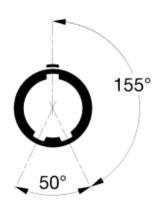
Environment

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	Heatshrink	
Fixation type	Heatshrink	
Jacket cable outside diameter [mm]	6.50 - 13.00 mm	

Drawings







Dimensions

	A	В	С	D	Ls	Lr	Р	X
mm.	17.6	14	17.2	13	24.5	24.5	3.9	7.1
in.	0.69	0.55	0.68	0.51	0.96	0.96	0.15	0.28

Recommended By Lemo

Accessories

Replacement contact	EGN.0M.655.ZZM		
Compatible cap	BMF.2M.100.XAV		
Tools			
Positionner	DCE.91.070.3MVM		
Extraction tool	DCF.93.070.4LT		
Crimp tool	DPC.91.701.V		