



Image for illustrative purpose only

Summary

Request a quote

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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	PMP.2M.312.XLM
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

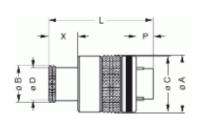
Number of contacts Low Voltage	12			
Contact Termination Low voltage	Crimp			
R (max)	6.1 mOhm			
Insert configuration value	2M.312 - 12 Low Voltage			
Insulator	L: PEEK			
Rated current	7 A			
Test voltage (kV rms) Contact-contact	1.65			
Test voltage (kV rms) Contact-shell	1.15			
Contact retention	22 N			
Max. Conductor	0.34 mm^2 (AWG 22)			
Min. Conductor	0.14 mm^2 (AWG 26)			
Bucket Dia.	0.8 mm (0.031in)			
Contact Dia.	0.7 mm (0.028in)			
Wire Size/AWG	26 - 22			
Gender	Standard			
Form & Material				
Shell style / Model id	FM - Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip			
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	P: 3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)			
Colour	Grey			
Weight	9.83 g			

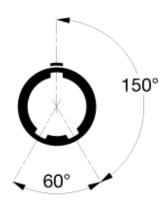
Environment

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	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		