



Image for illustrative purpose only

Summary

Request a quote

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Catalog	
See video assembly instructions	
Number of contacts Low Voltage	55
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Ratchet
Jacket cable outside diameter [mm]	11.35 - 22.70 mm
Size	LM
Suggested matching part	PMR.LM.355.XLM
Series	M - Rugged Ratchet coupling

Technical details

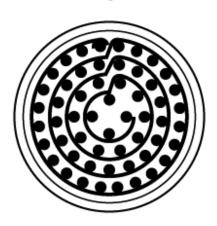
Electrical Configuration

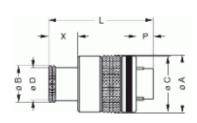
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Number of contacts Low Voltage	55				
Contact Termination Low voltage	Crimp				
R (max)	4.8 mOhm				
Insert configuration value	LM.355 - 55 (0.9 mm) Low Voltage				
Insulator	L: PEEK				
Rated current	3.5 A				
Test voltage (kV rms) Contact-contact	1.65				
Test voltage (kV rms) Contact-shell	1.95				
Contact retention	30 N				
Max. Conductor	0.5 mm^2 (AWG 20)				
Min. Conductor	0.25 mm^2 (AWG 24)				
Bucket Dia.	1.1 mm (0.043in)				
Contact Dia.	0.9 mm (0.035in)				
Wire Size/AWG	24 - 20				
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				
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	R: 5 keys (alpha=105, beta=115, gamma=30, delta=20, plug: male contacts, receptacle: female contacts)				
	Grey				

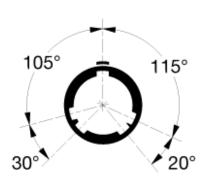
Environment

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]	11.35 - 22.70 mm

Drawings







Dimensions

	A	В	С	D	Ls	Lr	Р	X
mm.	28.5	23.9	28	22.7	28.6	28.6	3.4	7.6
in.	1.12	0.94	1.1	0.89	1.13	1.13	0.13	0.3

Recommended By Lemo

Accessories

Replacement contact	FGN.0M.560.ZZC		
Compatible cap	BMF.LM.100.XAV		
Tools			
Positionner	DCE.91.090.5MVC		
Extraction tool	DCC.09.05B.LAG		
Crimp tool	DPC.91.701.V		