



Image for illustrative purpose only

Summary

Request a quote

Catalog See video assembly instructions 48 Number of contacts Low Voltage 26 - 22 Wire Size/AWG Gender Standard Plug Plug - Straight Locking system Ratchet Jacket cable outside diameter [mm] 9.75 - 19.50 mm Size 4M Suggested matching part PMR.4M.348.XLM Series M - Rugged Ratchet coupling

Technical details

Electrical Configuration

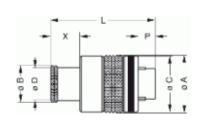
Number of contacts Low Voltage	48				
Contact Termination Low voltage	Crimp				
R (max)	6.1 mOhm				
Insert configuration value	4M.348 - 48 Low Voltage				
Insulator	L: PEEK				
Rated current	3 A				
Test voltage (kV rms) Contact-contact	1.10				
Test voltage (kV rms) Contact-shell	1.35				
Contact retention	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	R: 5 keys (alpha=105, beta=115, gamma=30, delta=20, plug: male contacts, receptacle: female contacts)				
Colour	Grey				

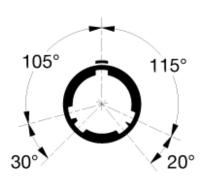
Environment

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]	9.75 - 19.50 mm

Drawings







Dimensions

	A	В	С	D	Ls	Lr	Р	X
mm.	25	20.7	24.5	19.5	28.6	28.6	3.4	7.6
in.	0.98	0.81	0.96	0.77	1.13	1.13	0.13	0.3

Recommended By Lemo

Accessories

Replacement contact	FGN.0M.555.ZZC
Compatible cap	BMF.4M.100.XAV
Tools	
Positionner	DCE.91.070.5MVC
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V