FMN.MM.304.XLCT





Image for illustrative purpose only

Summary

Request a quote Catalog See video assembly instructions Number of contacts Low Voltage 4 Wire Size/AWG 32 - 28 Gender Standard Plug - Straight Plug Locking system Ratchet Jacket cable outside diameter [mm] 2.80 - 5.60 mm Size MM EGN.MM.304.XLM Suggested matching part M - Rugged Ratchet coupling Series

Technical details

Electrical Configuration

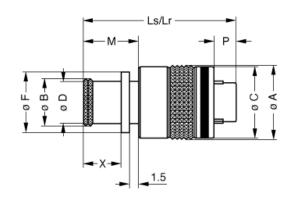
4				
Crimp				
8.7 mOhm				
MM.304 - 4 Low Voltage				
L: PEEK				
2 A				
0.95				
0.9				
12 N				
0.09 mm^2 (AWG 28)				
0.035 mm^2 (AWG 32)				
0.45 mm (0.018in)				
0.5 mm (0.02in)				
32 - 28				
Standard				
FM - Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop				
Straight				
Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass				
Ratchet				
N: 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)				
Grey				

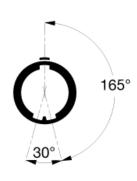
Environment

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	For overmolding			
Fixation type	Mold stop (overmolding)			
Jacket cable outside diameter [mm]	2.80 - 5.60 mm			

Drawings







Dimensions

	A	В	С	D	F	Ls	Lr	M	Р	X
mm.	11.1	6.4	10.7	5.6	7.8	24.3	24.3	8.8	5.5	5.8
in.	0.44	0.25	0.42	0.22	0.31	0.96	0.96	0.35	0.22	0.23

Recommended By Lemo

Accessories

Replacement contact	FGG.00.554.ZZC				
Compatible cap	BMF.MM.100.XAV				
Tools					
Positionner	DCE.91.050.0VC				
Extraction tool	DCC.05.02B.LAG				
Crimp tool	DPC.91.701.V				