PMN.2M.514.XLMT6



Summary

Request a quote

Number of contacts Low Voltage	8
Wire Size/AWG	24 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Ratchet
Size	2M
Matching parts	FMN.2M.514.XLCT6
Series	M - Rugged Ratchet coupling

Technical details

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pmn-2m-514-xlmt6.html
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Electrical Configuration	
Contact Termination Low voltage	Crimp
Insert configuration value	2M.514 - 8 High Speed, Low Voltage (CAT 6A)
Insulator	L: PEEK
Rated current	8 Amps
Number of contacts Low Voltage	8
Differentiated pairs (High speed)	4
Wire Size/AWG	24 - 22
Gender	Standard
Form & Material	
Shell style / Model id	PM - Free receptacle with knurled grip
Socket / Receptacle	Free
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	20.17 g
Environment	
Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Temperature range	-20°C / +200°C
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

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Cable fixation

Cable termination protection	Heatshrink
Fixation type	T type cable adapter

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