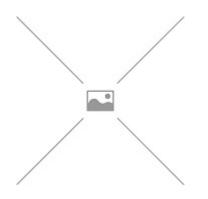
HEP.2M.319.CLNP





Summary

Request a quote

Catalog			
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Number of contacts Low Voltage	19	
Gender	Standard	
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted	
Locking system	Ratchet	
Size	2M	
Matching parts	FGP.2M.319.CLCT	
Series	M - Rugged Ratchet coupling	

Technical details

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/hep-2m-319-clnp.html

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Electrical Configuration

5		
Contact Termination Low voltage	PCB - Straight	
R (max)	6.1 mOhm	
Insert configuration value	2M.319 - 19 Low Voltage	
Insulator	L: PEEK	
Rated current	4 Amps	
Test voltage (kV rms) Contact-contact	1.20	
Test voltage (kV rms) Contact-shell	1.00	
Contact Type	Print (straight)	
Contact Dia.	0.7 mm (0.028in)	
Number of contacts Low Voltage	19	
Gender	Standard	
Form & Material		
Shell style / Model id	HE - Fixed receptacle, nut fixing for printed circuit, watertight	
Socket / Receptacle	Fixed Panel Rear Mounted	
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces	
Locking system	Ratchet	
Keying	3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)	
Variant	Watertight unmated (connector to device)	
Weight	20.74 g	
Environment		
Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV	
Environmental protection (IP rating)	IP68	
Minimal temperature	-20°C / +80°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]	
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	>1000 hr	

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