EGN.2M.310.XLN



Summary

Request a quote

Catalog

Number of contacts Low Voltage	10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Size	2M
Matching parts	FMN.2M.310.XLC
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

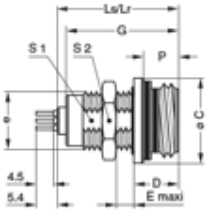
Contact Termination Low voltage	PCB - Straight
R (max)	4.8 mOhm
Insert configuration value	2M.310 - 10 Low Voltage
Insulator	L: PEEK
Rated current	8 Amps
Test voltage (kV rms) Contact-contact	1.8
Test voltage (kV rms) Contact-shell	1.2
Contact Type	Print (straight)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	10
Gender	Standard

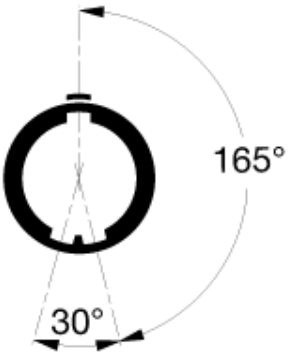
https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/egn-2m-310-xln.html
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Form & Material	
Shell style / Model id	EG - Fixed receptacle, nut fixing, for printed circuit
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Aluminium (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	6.53 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

Drawings







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Dimensions

	C	D	e	E	G	Ls	Lr	P	S1	S2
mm.	17.2	6.8	M14x1.0	4.5	16.8	18.3	18.3	5.3	12.5	17
in.	0.68	0.27		0.18	0.66	0.72	0.72	0.21	0.49	0.67

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