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Summary

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Nb of contacts Coax	12
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	2.80 - 22.70 mm
Size	LM
Suggested matching part	FGW.LM.232.XLZZT
Series	M - Rugged Ratchet coupling

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/ecw-lm-232-xlz.html

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Technical details

Electrical Configuration

Nb of contacts Coax	12
Insert configuration value	LM.232 - 12 coax (50 Ohm)
Insulator	L: PEEK
Rated current	2.5 A
VSWR	<1.25 (DC to 8 GHz) and <1.5 (8 GHz to 26 GHz)
Test voltage (KV rms) Contact-Screen	0.95
Cable type	RG-174/U , RG-188 A/U , RG-316/U , LMR-100A , Multiflex_86
Gender	Standard

Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts
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	W: 5 keys (alpha=95, beta=115, gamma=35, delta=25, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Delivered without coaxial contacts
Weight	19.22 g

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Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	3000 mating cycles
Temperature range	-20°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

Jacket cable outside diameter [mm]	2.80 - 22.70 mm
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Recommended By Lemo

Accessories

Replacement contact	EGG.0R.250.ZLCE28
Compatible cap	BGK.LM.200.XAZ

Tools

Spanner 2	DCM.65.290.AZ
Spanner wrench	Socket for torque wrench DCM.65.290.AZ

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