



Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Jacket cable outside diameter [mm]	4.85 - 9.70 mm
Size	1M
Matching parts	FMS.1M.305.XLM
Series	M - Rugged Ratchet coupling

Technical details

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/eds-1m-305-xlc.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1M.305 - 5 Low Voltage
Insulator	L: PEEK
Rated current	9 Amps
Test voltage (kV rms) Contact-contact	1.3
Test voltage (kV rms) Contact-shell	1.3
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	5
Wire Size/AWG	24 - 20
Gender	Reverse Gender

Form & Material

Shell style / Model id	ED - Fixed receptacle with square flange
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=155, gamma=50, plug: female contacts, receptacle: male contacts)
Weight	5.28 g

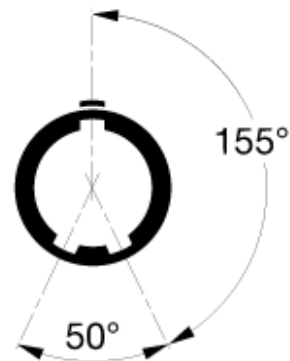
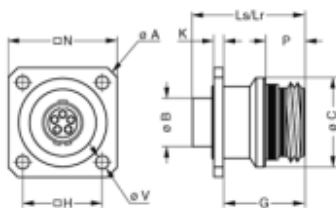
Cable fixation

Jacket cable outside diameter [mm]	4.85 - 9.70 mm
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Drawings



Dimensions

	A	B	C	G	H	K	Ls	Lr	N	P	SV
mm.	23.8	5.95	14.2	12.8	12.9	1.5	18.3	18.3	18.4	5.3	3.3
in.	0.94	0.23	0.56	0.5	0.51	0.06	0.72	0.72	0.72	0.21	0.13

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