



Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Ratchet
Jacket cable outside diameter [mm]	4.00 - 8.00 mm
Size	0M
Matching parts	FMN.0M.302.XLC
Series	M - Rugged Ratchet coupling

Technical details

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pm-n-0m-302-xlm.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	0M.302 - 2 Low Voltage
Insulator	L: PEEK
Rated current	10 Amps
Test voltage (kV rms) Contact-contact	1.45
Test voltage (kV rms) Contact-shell	1
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	2
Wire Size/AWG	24 - 20
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	7.22 g

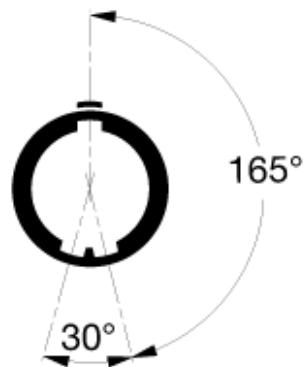
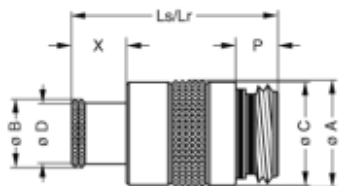
Cable fixation

Cable termination protection	For backshell MIL-DTL-38999M
Fixation type	MIL-DTL-38999M
Jacket cable outside diameter [mm]	4.00 - 8.00 mm

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Drawings



Dimensions

	A	B	C	D	Ls	Lr	P	X
mm.	13.1	8.8	12.7	8	25.6	25.6	5.3	6.7
in.	0.52	0.35	0.5	0.31	1.01	1.01	0.21	0.26

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