



Summary

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Fiber optic	4
Low Voltage	4
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Ratchet
Size	3M
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
Fiber optic	4
Contact Termination Fiber optic	Crimp
Insert configuration value	3M.95B - 4 FO Type F7 + 4 Low Voltage
Insulator	L: PEEK
Contact Type	Crimp
Low Voltage	4
Gender	Standard

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pm-n-3m-95b-xlmt66z.html

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Form & Material

Shell style / Model id	PM - Free receptacle with knurled grip and mold stop
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)
Variant	Nut for fitting a bend relief
Weight	26.09 g

Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental protection (IP rating)	IP68
Minimal temperature	-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

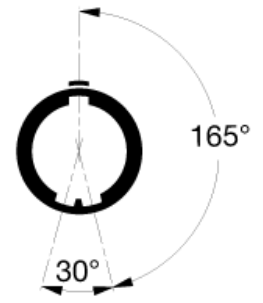
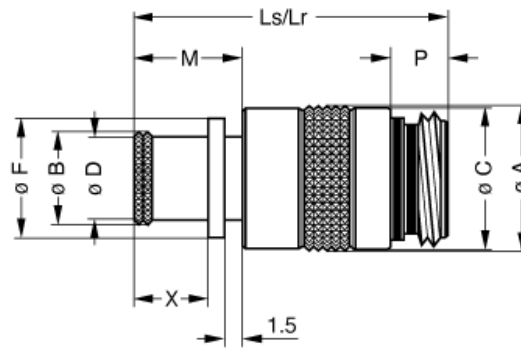
Cable fixation

Cable termination protection	For cable bend relief
Fixation type	T type cable adapter

Drawings

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Dimensions

	A	B	C	D	F	Ls	Lr	M	P	X
mm.	19.6	16	19.2	15	17.5	29	29	10.1	5.3	7.1
in.	0.77	0.63	0.76	0.59	0.69	1.14	1.14	0.4	0.21	0.28

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