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Summary

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Number of contacts Low Voltage	32
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Ratchet
Jacket cable outside diameter [mm]	8.35 - 16.70 mm
Size	TM
Series	M - Rugged Ratchet coupling

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fgx-tm-332-xlm.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	32
Contact Termination Low voltage	Crimp
Insert configuration value	TM.332 - 32 Low Voltage
Insulator	L: PEEK
Rated current	3.5 A
Gender	Reverse Gender

Form & Material

Shell style / Model id	FG - Straight plug with arctic grip
Plug	Straight
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Ratchet
Keying	X: 5 keys (alpha=100, beta=125, gamma=40, delta=20, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	23.38 g

Environment

Technical domain	Motorsport, Security and Defence, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP68
Endurance	3000 mating cycles
Temperature range	-55°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

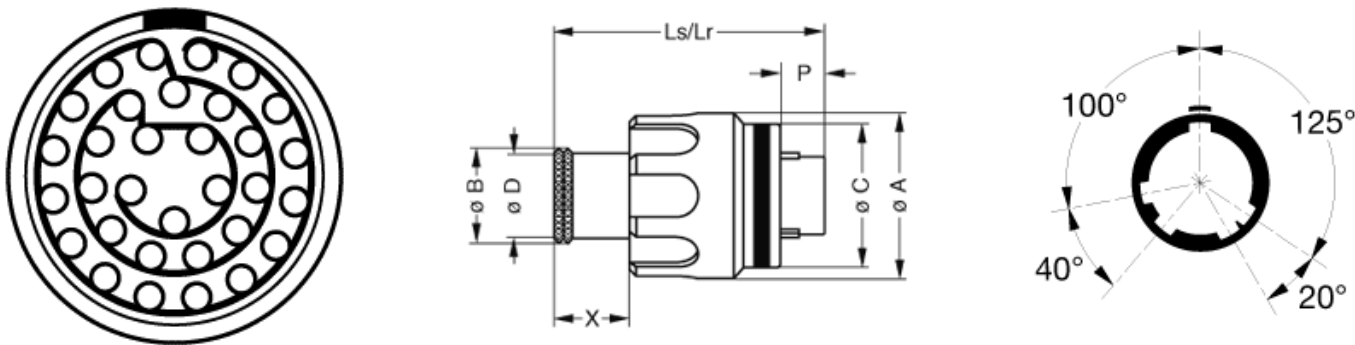
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Cable fixation

Cable termination protection	Heatshrink
Fixation type	Heatshrink
Jacket cable outside diameter [mm]	8.35 - 16.70 mm

Drawings



Dimensions

	A	B	C	D	Ls	Lr	P	X
mm.	23.4	17.9	22	16.7	28.6	28.6	3.4	7.6
in.	0.92	0.7	0.87	0.66	1.13	1.13	0.13	0.3

Recommended By Lemo

Accessories

Compatible cap	BGF.TM.100.XAV
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Tools

Crimp tool	DPC.91.701.V
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