

Special



Image for illustrative purpose only

Summary

[Request a quote](#)

[M series](#)

[Application leaflet Security Defence](#)

Number of contacts Low Voltage	40
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Ratchet
Panel Drill Hole	M22
Size	TM
Suggested matching part	FMW.TM.340.XLC
Series	M - Rugged Ratchet coupling

Technical details

Electrical Configuration

Number of contacts Low Voltage	40
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	TM.340 - 40 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	C (High Design Producibility - Reduced)
Insulator	L: PEEK
Rated current	3 A
Test voltage contact-contact	1.5 kV DC
Test voltage contact-shell	1.7 kV DC
Contact Dia.	0.7 mm (0.028in)
Gender	Standard

Form & Material

Shell style / Model id	EC - Fixed receptacle with two nuts, for printed circuit
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
Weight	18.14 g
Panel Drill Hole	M22

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/ecw-tm-340-xln.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

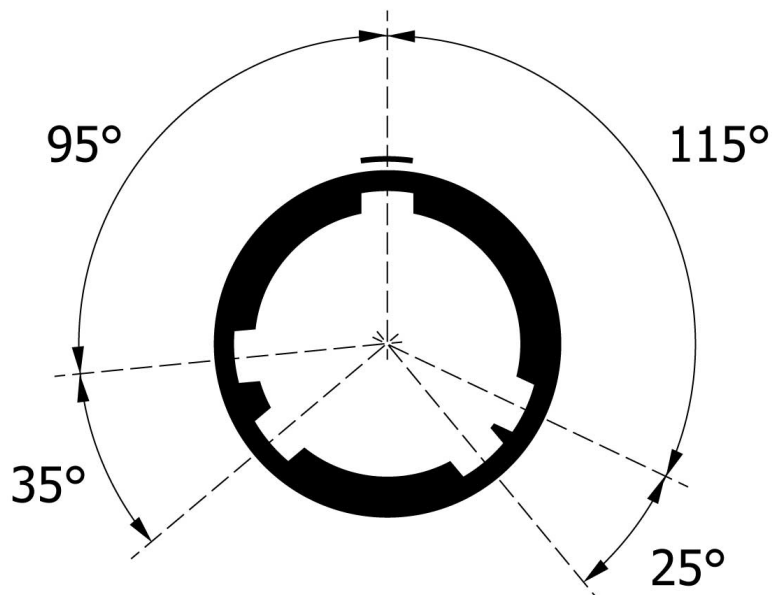
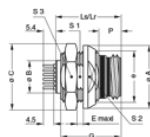
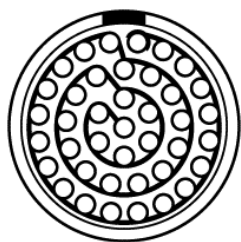
Environment

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

Drawings

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/ecw-tm-340-xln.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.



Dimensions

	A	B	C	E	e	G	Ls	Lr	P	S1	S2	S3
mm.	27	12.3	28	2.5	M22x1.00	18.9	20	21.9	7.9	20.5	23	25
in.	1.06	0.48	1.1	0.1		0.74	0.79	0.86	0.31	0.81	0.91	0.98

Recommended By Lemo

Caps

Compatible cap	BGK.TM.200.XAZ
Cap 2	BMK.TM.200.XAZ

Tools

Spanner 2	DCM.65.230.AZ
Spanner wrench	DCM.65.230.AZ

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/ecw-tm-340-xln.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Documents

PCB Eagle

[Download](#)