



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	66
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Locking system	Ratchet
Jacket cable outside diameter [mm]	14.25 - 28.50 mm
Size	5M
Series	M - Rugged Ratchet coupling

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.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.

# Technical details

## Electrical Configuration

Insert configuration value	5M.366_44 - 44 (0.7 mm) + 22 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated current	3 A
Contact Type	Special
Number of contacts Low Voltage	66
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## Form & Material

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	57.63 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
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

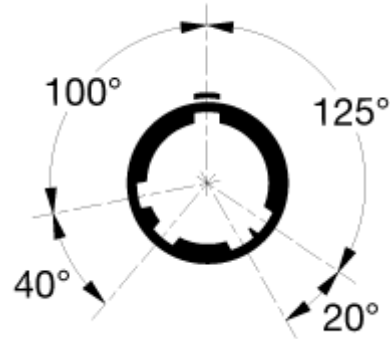
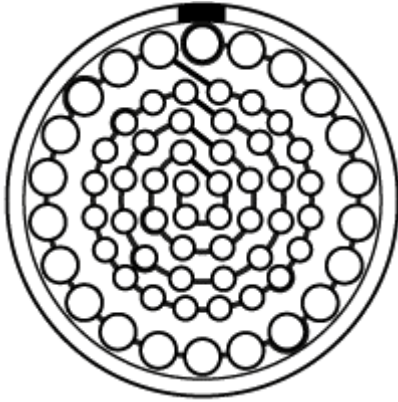
[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.html)

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.

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Jacket cable outside diameter [mm]	14.25 - 28.50 mm

## Drawings



## Recommended By Lemo

### Tools

Positionner 2

[DCE.91.130.5MVU](#)

[https://www.lemo.com/int\\_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.html](https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/fbx-5m-366-xryt44.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.