Rugged Waterproof USB Connector (IP68)

LEMO has added a USB connector to its M Series product. This addition of a USB type A connector offers a reliable solution for harsh environments and when mated the connector meets the IP68 rating. This particular connector is designed for outdoor use including oil/petroleum, automotive, mining, military, marine or any type of application that requires rugged and reliable connections.
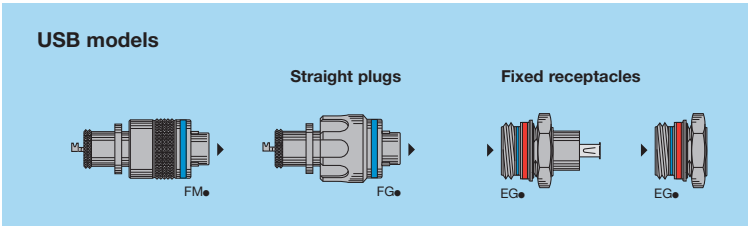
The complete product line includes panel mount sockets, plugs, protective, and caps.

Features & Benefits

- Waterproof IP68 (when mated)
- Rugged, Outdoor, Harsh Environment
- Resistance to Vibration
- Lightweight
- Fast and Easy to Secure USB
- Aluminum or Brass outsershell with conductive finish
- Use with off-the-shelf USB cable assemblies
- Easy to Use
- USB 2.0

This new addition to the M Series is just another product built by LEMO with Quality, Reliability and Safety!
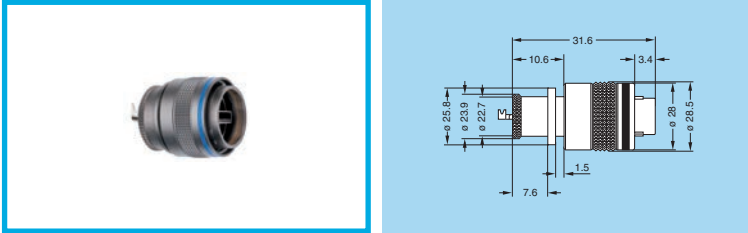
LEMO

Interconnections

USB models

Straight plugs | Fixed receptacles

FM● | FG● | EG● | EG●

Insert configuration

Male front view	Female front view	Reference	Number of contacts	Solder contact	AWG	Test voltage (kV rms)[1] Contact-contact	Test voltage (kV rms)[1] Contact-shell	Rated current (A)[1]
		U2A	4	●	–	1.20	0.95	n.a.

Note: [1] Test voltage according to IEC 60512-2 test 4a.
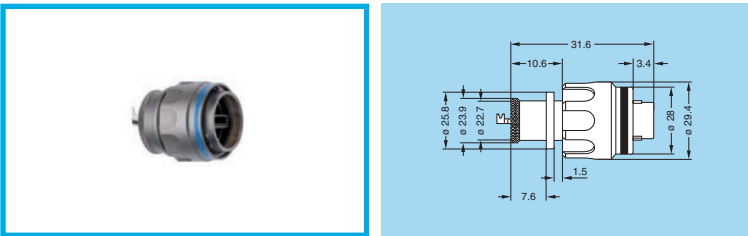
Models

FM●.LM.U2A.XPAT

Straight plug, key (W) or key (R) with knurled grip and mold stop – cable attach; solder
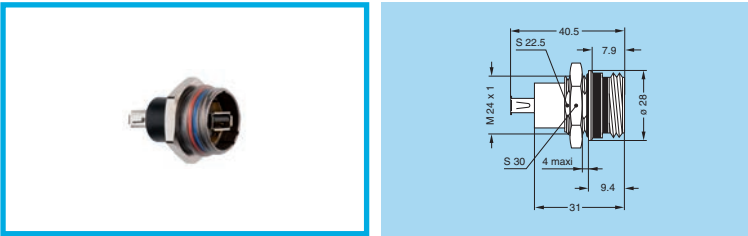

FG●.LM.U2A.XPAT

Straight plug, key (W) or key (R) with arctic grip and mold stop – cable attach; solder

EG●.LM.U2A.XPP

Fixed receptacle, female to female, nut fixing, key (W) or key (R) – USB connector socket

EG●.LM.U2A.XPL

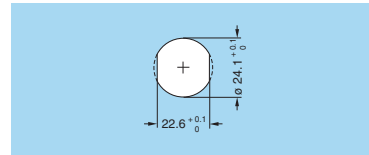Fixed receptacle, nut fixing, key (W) or key (R) wire attach (solder)

Cut-outs

Mounting nut torque (on panel)

Torque (Nm)
6.5

Alignment Key and Polarized Keying System

Front view receptacle	Model	Nb of keys	Angles				Color code	Contact type	
			α	β	γ	δ		Plug	Receptacle
	●●W	5	95°	115°	35°	25°	blue	male	female
	●●R		105°	115°	30°	20°	yellow		

Cable Termination Side

Mouser Electronics

Authorized Distributor

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