

METERING INSTRUMENTS AND CURRENT TRANSFORMERS

Accessories for Measuring Instruments



Converter drive



EXC CON 01



4 PX1



Order code	Description	Qty per pkg.	Wt
		n°	[kg]
EXC CON 01	RS485/Ethernet 12...48VDC converter, including DIN rail fixing kit	1	0.400
4 PX1	RS232/RS485 galvanically isolated converter supply 220...240VAC (or 110...120VAC). Repeater for bus extension RS485	1	0.600

General characteristics

EXC CON 01 CONVERTER

The EXC CON 01 converter allows "slave" devices connected on an RS485 network to interface with a "master" featuring Ethernet port:

- kit comprising converter and DIN rail mounting accessory;
- programming via web interface;
- power supply not included.

4 PX1 CONVERTER DRIVE (RS232-RS485)

It can interface "slave" devices connected in an RS485 bus with a "master" equipped with RS232 interface port. When configured appropriately, it can also be used as RS485 repeater whenever the devices connected to the bus are many or the maximum distance among the bus devices is longer than the allowed.

EXC M3G 01 GATEWAY

The EXC M3G 01 gateway allows "slave" devices connected on an RS485 network to interface with a "master" via 3G network:

- TCP server connection via 3G or 2G network;
- transparent operating mode: the data is transferred from 3G side to serial side and vice versa without protocol conversion;
- parameters that can be set: TCP server remote port and IP, network operator APN (with username and password), SIM card PIN (with enablement), connection timeout, serial parameters (baud rate from 1200bps to 115200bps, stop bit, number of characters, parity);
- RJ45 port for parameter programming and diagnosis with a simple software application.
- Compatible with major worldwide mobile phone networks, thanks to the use of 850/900/1800/1900/2100MHz frequencies. Protection rating IP67. Fixing hole Ø10mm. Cable length 2.5m.

Gateway



EXC M3G 01



Order code	Description	Qty per pkg.	Wt
		n°	[kg]
EXC M3G 01	RS485/3G modem, 9.5...27VAC/9.5...35VDC, including antenna and programming cable, length 2.5m	1	0.340

Connecting cables



51 C4



DMG M3 KIT...

Order code	Description	Qty per pkg.	Wt
		n°	[kg]
51 C2	For PC-multimeter RS232 port, 1.8m long	1	0.090
51 C4	For PC-4 PX1 converter drive, 1.8m long	1	0.147
51 C5	For analog modem-multimeter RS232 port, 1.8m long	1	0.111
51 C9	For 4PX 1 converter drive-analog modem, 1.8m long	1	0.137

Current clamp kits for DMG M3... portable devices

DMG M3 KIT01	Composed by 3 current clamps 1000/1 and 4 alligator clip cables for voltage measurements	1	6.900
DMG M3 KIT02	Composed by 1 current clamps 1000/1 and 1 alligator clip cable for voltage measurements. For DMGM3900, if measuring inputs for neutral-earth/ground and neutral current are used too	1	0.860

CONNECTING CABLES 51 C...

To connect energy meters and/or multimeters with:

- Personal computers
- Modems
- Bus converters.

Electrical safety for DMG M3 KIT...

(IEC/EN 61010-1 and IEC/EN 611-2-032)

CURRENT CLAMPS

- 600V category III
- 300V category IV.

VOLTAGE MEASURING CABLES

- 1000V category III.

Reference standards

Compliant with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3.

For dimensions, wiring schemes and technical characteristics, refer to technical instructions in Downloads at www.LovatoElectric.com.