MBUS-LC-60

RS232 TO MBUS LEVEL CONVERTER

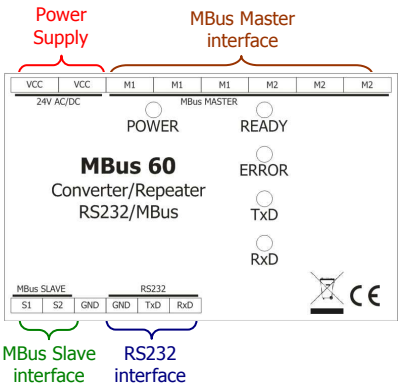
- RS232 to MBus level conversion
- Maximum 60 MBus slaves
- Baud Rate: 300 to 19200 bps
- RS232, MBus, Power Supply opto-isolation
- Over-current and short-circuit protection on the MBus
- Can operate as **MBus signal booster / Repeater**
- LED display for power, overload and data transmission
- Power supply: 20 ~ 35 Vdc or 20 ~ 24 Vac.
- Rail mounting

APPLICATION

MBus-LC- 60 converter is a transparent converter RS232 – Mbus interface. On MBus side it works as MBus master and enable to connect maximum 60 standard MBus receivers (slaves). Additionally thanks to embedded MBus Slave input MBus-LC-60 can operate as MBus signal buster. It can be used with all devices equipped with MBus interface like: heating energy meters, electric energy meters, data recorders and many others with MBus interface. MBus-LC-60 can successfully replace PW3, PW20, PW60 Relay M-Bus level converter, any other M-Bus master converter or M-Bus signal buster.

MBus-LC-60 converter is equipped with TxD, RxD, MBus overload (ERROR), MBus READY and POWER Supply LED indicators. There are screw terminal block connectors for all interfaces and power supply i.e. MBus Master, MBus Slave and RS232.

Below picture presents connection diagram of MBUS-LC-60 converter:



Type: MBUS-LC-60

Hardware:

- Transparent conversion from RS232 to MBus master.
- MBus slave input - can operate as MBus signal booster
- Sub-D connector for RS-232 available
- LED Indicators: Tx, Rx, MBus overload, power supply.

Interfaces:

- Baud Rate: 300 ~ 19200 bps.
- RS232: TxD, RxD, GND.
- MBus Master: M1, M2.
  Maximum M-Bus receivers: 60 (MBus slave).
  Surge Protection / Over Voltage Protection M-Bus Interface : 43V 600W/1ms.
- MBus Slave: S1, S2.
- Opto Isolation:
  RS232~MBus – 100 V AC/DC.
  RS232~Power Supply – 100 V AC/DC.
  Power supply~MBus – 100 V AC/DC.

Operating Conditions:

- Power Input: 20 ~ 35 Vdc, 20 ~ 24 Vac. Maximum power consumption: 12W.
- Operating temperature: 0 ~ 60°C.
- Storage temperature: -20 ~ 85°C.
- Humidity: 5 ~ 95%RH (without condensation).
- Dimensions: 70x90x65 mm (width x depth x hight).

Certification:

- CE (EN 55022:1998 Class A, EN 61000-3-2:2000, EN 61000-3-3:1995, EN 55024:1998).

Technical parameters and subject to change wihtout notice.

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