



- BDL 50 M-Bus/Modbus data logger for energy management system Efficio
- Internal level converter for 50 standard loads
- Ethernet interface for net connection
- 16 GByte microSD memory for logging of the measuring values
- Monitoring of minute values from M-Bus- or Modbus/RTU meters (electricity, heat, water, gas, air pressure, ...)
- Compact design for din rail mounting

BDL type specification

Berg BDL data logger are designed for collection (with chronological synchronism) and for buffering of energy consumption values out of M-Bus and Modbus/RTU measuring networks.

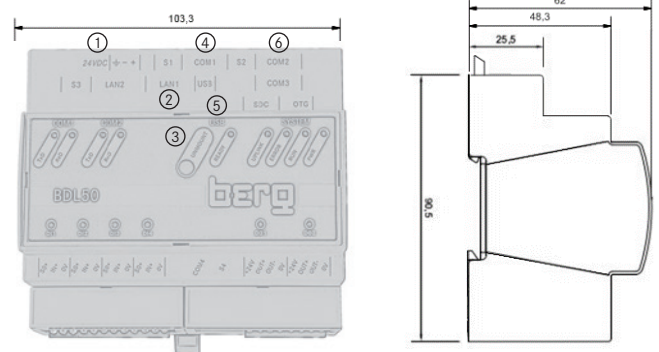
They work as M-Bus or Modbus/RTU master and as a gateway between the meters and the energy management server.

The BDL50 data logger has an internal level converter for connection of up to 50 M-Bus end units (according to EN 13757).

Depending from the amount of meters or sensors the logger is able to store measuring values with time stamps up to weeks.

The commissioning can be done with an assistant within the software Efficio, very easily and in an effective way. The first step is to import the network parameters via USB stick which is included in the scope of delivery of the Efficio basic license. Afterwards Efficio is going to find all connected meters or sensors and offers the measuring points for logging.

Connections and Dimension (mm)



No	Label	Meaning
1	DC 18...30 V	24V DC Power supply
2	LAN 1	RJ45 jack for Ethernet connection
3	Unmount	Button, unmounts the USB stick
4	COM1(RS485)	Screw/plug terminal for Modbus/ RTU network
5	USB	Slot for USB stick
6	COM2(M-Bus)	Screw/plug terminal for M-Bus network

BERG

Technical Data

Power Supply	24V DC (10...30 V DC range), reverse voltage protection
Housing Material	PC/ABS UL94-VO self extinguishing
Operating elements	Buttons (Service), USB Stick-Slot: Unmount
Casing/Mounting	DIN-Rail Casing, for rail 35mm (DIN EN60715 TH35) vertical or horizontal
Temperature range	Operation: 0 to +60 °C , Storage: -25...+70°C
Permissible air humidity	10 to 95 % relative humidity, non-condensing
Protection	IP20
Contamination level	Level 2
Charging Rate	200 mA (320 mA max.)
Electrical Isolation	field bus, process level
Dimensions Mechanical	106,3 x 62 x 76,5 mm
Stability	Vibration (Sinus) according to IEC 60068-2-6 Vibration (Broadband) according to IEC 60068-2-64 Shock according to IEC 60068-2-27
USB	USB 2.0
Ethernet	10/100 Mbit/s auto negotiation
COM1	RS485, 300 - 115200 Baud (Modbus RTU)
COM2	M-BUS level converter, 300 - 19200 Baud, 50 loads max.
Binary inputs	4 inputs as SO or 24 VDC usable
Binary outputs	2 outputs 18 - 30VDC operating voltage
Data storage	micro SD 16GByte



2006/95/EG low voltage directive
2014/30/EU EMV standard
RoHS

Sources

Article No.	Short Description	Product Code
3386	BDL 50 M-Bus/Modbus Data Logge	BDL 50
2472	AC adapter Data Logger BDL	NT30
3164	8-channel pulse measuring module	BCM 8 M-BUS
2639	8-channel pulse measuring module	BCM 8 MODBUS

Technical changes and mistakes reserve. Version 2016-02

Further information about the M-Bus/Modbus data logger
you will get at:

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