

DI-2

RS-232/RS-485 interface converter



DI-2



Device features

- Plastic enclosure for DIN rail mounting
- Electrical separation between the input and output circuit
- Supply voltage DC 10...30 V

Product description

The DI-2 converter is designed for the connection of personal computers and workstations utilising an RS-232 interface with Bender devices utilising an RS-485 interface. The hardware and software of the computers need not to be changed. A typical application is the connection of a personal computer to a BMS network.

Application

- Conversion of RS-232 signals into RS-485 signals
- Parameterisation of alarm indicator and operator panels (MK800, MK2430) with RS-485 interface via PC with RS-232 interface using software

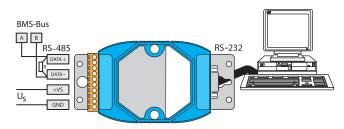
Function

Many PCs and work stations are equipped with serial RS-232 interfaces. The interface converter DI-2 is designed to connect these devices via an RS-232 interface to the BMS bus using the RS-485 standard. The connected devices are protected against spikes by galvanic separation between the input and output circuit. Additional internal measures protect the device against voltage spikes.

Approvals



Wiring diagram (example)



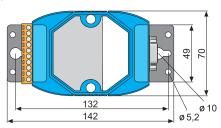
DI-2 for the integration of a personal computer utilising an RS-232 interface into a BMS network.

Note:

Terminate both ends of the BMS bus with 120 Ω resistors (R)

Dimension diagram

Dimensions in mm



Technical data

3 kV/3
see ordering information
≤ 2.2 W
1 x RS-485/-
9.6115.2 kbit/s
≤ 1200 m
recommended: J-Y(St)Y min. 2 x 0.8
DATA + (A), DATA - (B)
120 Ω (0.25 W)
1 x RS-232
ON
EN 61000-6-2/EN 61000-6-4
3K5
2K3
1K4
-10+55 °C
21
3M4
2M2
1M3
screw-type terminals
0.52.5 mm ² (AWG 2212)
continuous operation
any position
) IP30
IP30
2 x M3
Z X 1113
IEC 60715
·



Bender GmbH & Co. KG