BARTEC

Data Sheet

RS232 / P-NET Converter Type 4386-4

The RS232 / P-NET converter is designed for operating P-NET devices via an RS232 interface.

Function

The **basic function** of the RS232 / P-NET converter is to forward all signals arriving at the interface 1 (RS 232) to interface 2 (P-NET). If interface 2 (P-NET) receives an answer, this signal is sent back again to interface 1 (RS232).

An RS232 device can be connected directly to interface 1. Communication is also possible via a modem or a radio module.

Interface 2 is normally connected with the P-NET fieldbus. When using the data acquisition system 3001 or foreign devices it may also be connected to the RS232 interface. The software of the RS232 / P-NET converter converts the data of the physically different interfaces and thus, provides a linking between RS232 and P-NET. The RS232 / P-NET converter can assess both via the P-NET interface and via the RS232 interface to the internal softwire variables.

Technical Data

Power supply
DC 10 ... 36 V

Power consumption
approx. 40 mA / 24 V

Fuse
300 mA (reversible)

Interfaces
1 P-NET fieldbus interface (half duplex) or RS232C interface with RTS/CTS handshake leads (asynchronous, fully duplex operation).
1 RS232C interface with DTR/DSR handshake leads (asynchronous, fully duplex operation).

Interface level
P-NET: RS485
RS232: ±12 V

Connections
1 x clamps 1,5 mm^2,
4 x cable bushing PG9
switching output 350 mA max. / 60 V max. , potential free,

Climatic class
KWF according to DIN 40040

Ambient conditions
Admissible operating temperture: -10 ... +50 °C,
admissible storage temperature: -20 ... +70 °C.

Nominal conditions
23 ±2°C

Structural shape
1 board in aluminium shell-shaped housing

Dimensions (width x height x depth)
250 x 43 x 70 mm

Order designations

RS232 / P-NET converter , M
type 4386-4
Order no. U899 17 43864

Possible conversions

Interface 2		interface 1
RS232	↔	RS232
P-NET	↔	RS232

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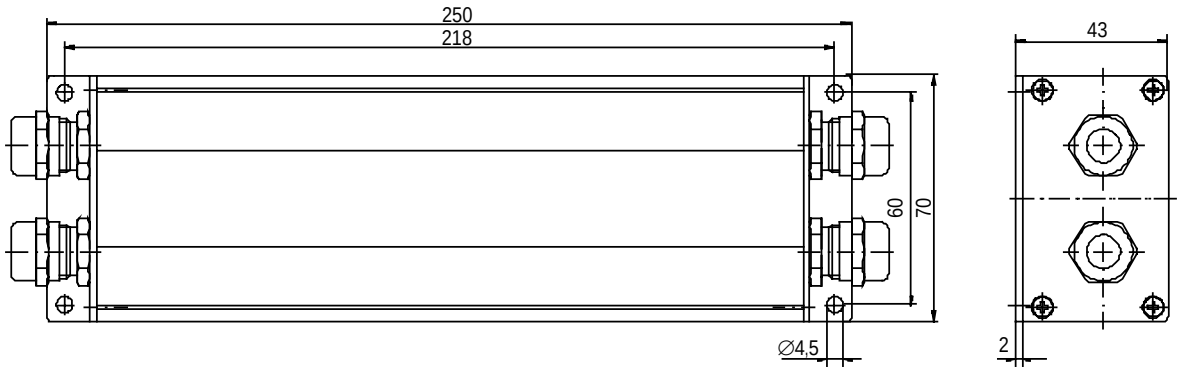
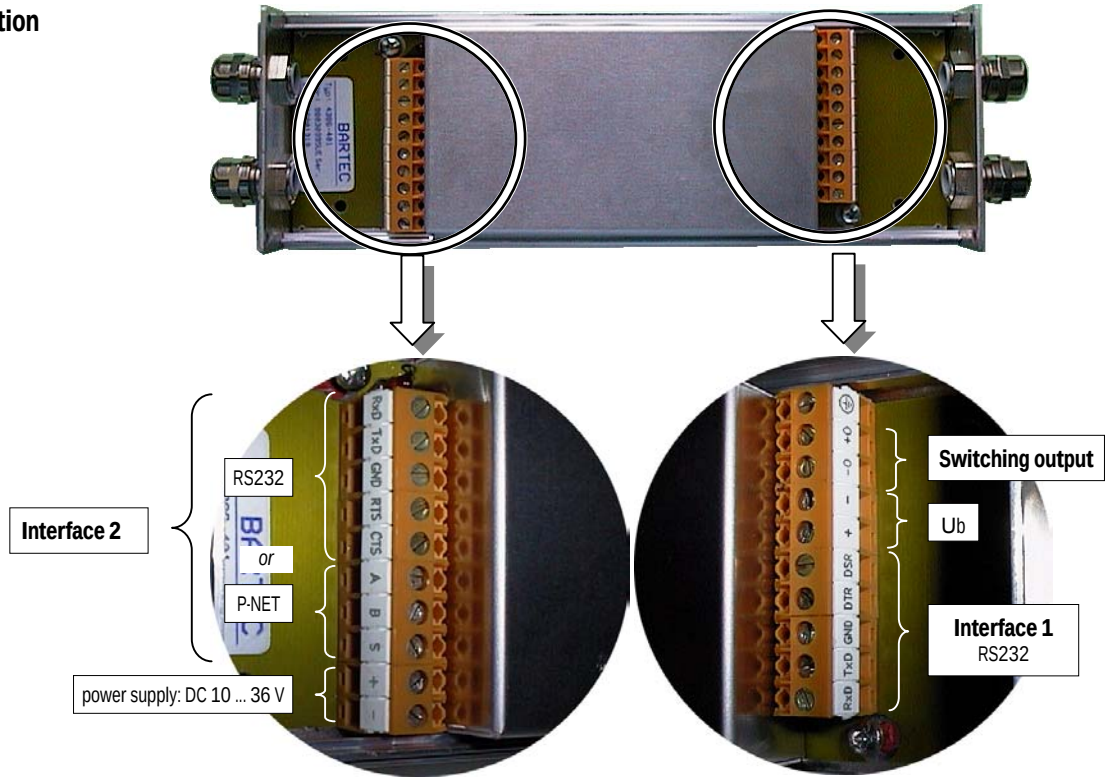
Dimensions / mounting holes



Connection



Block diagram