

# Interface converter RS232 - **EASYBUS**

## **EBW1**



### General information:

The EBW1 is a bidirectional interface converter RS232 <-> **EASYBUS**, by means of which you can connect up to 9 **EASYBUS**-transmitter to the serial interface of your PC.

### Specification:

Supply voltage:	220-240V AC; 50/60Hz
Power consumption:	approx. 5W
Working temperature:	0 to 50°C
Storage temperature:	-20 to 70°C
Relative humidity:	0 to 80 % r.h. (non-condensing)
Dimensions:	70 x 112 x 45 mm (W x H x D; housing only)
EMC:	The units correspond to the essential protection ratings established in the Regulations of the Council for the Approximation of Legislation for the member countries regarding electromagnetic compatibility (89/336/EWG). Tested and approved pursuant to EN50081-1 and EN50082-1 for unlimited use in residential and commercial areas.

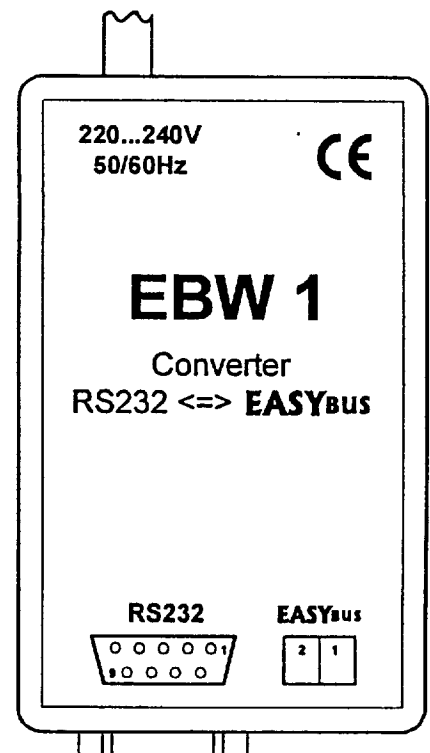
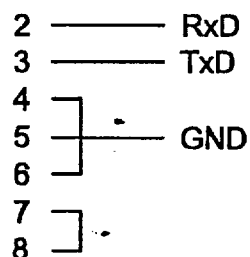
### EASYBUS

Connection:	2-pin screw-type/plug in terminal: PHOENIX: MC1.5/2-ST-3.5 max. terminal range: 1.5mm <sup>2</sup>
Connecting cable:	2-pin, twisted (recommended)
Cable length:	max. 200 meters
Baud rate:	max. 4800 Baud
Short circuit strength:	permanently short circuit proof
Insulation voltage:	500 V DC

### RS232:

Connection:	9-pin Sub-D-socket, (to be connected to PC via cable 1:1)
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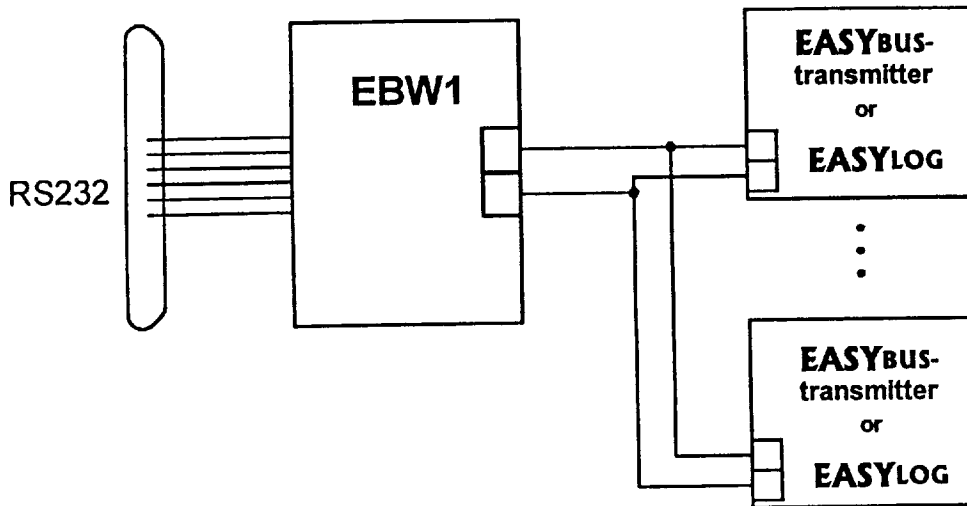
### Pin assignment:



**GREISINGER electronic GmbH**  
 D - 93128 Regenstauf, Hans-Sachs-Straße 26  
 Tel.: 09402 / 8500 od. 8748, Fax: 09402 / 1829

## Wiring diagram:

The EBW1 can be used to connect up to 9 **EASYbus**-transmitter to the RS232-interface of your PC.  
The EBW1 supplies current to the **EASYbus**-transmitter. The 2-pin parallel connection is not polarized.



## Installation and commissioning:

Connect **EASYbus**-transmitter (max. 9 off) to interface converter according to the wiring diagram via a 2-pin connection cable (twisted line recommended).

Connect EBW1 to a supply voltage of 220 - 240 VAC.

Then connect the interface converter to the RS232-interface of your personal computer.

Unless the interface converter EBW1 is properly handled it may be damaged. This may also result in the damage of other devices connected.

In such cases we cannot assume any warranty !

The manufacturer will not assume any warranty for damages to other devices resulting from the use of the EBW1.

## Safety requirements:

This unit has been designed and tested in accordance with the safety regulations for electronic devices. However, its trouble-free operation and reliability cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using the unit.

1. Trouble-free operation and reliability of the unit can only be guaranteed if the unit is not subjected to any other climatic conditions than those stated under "Specification".
2. Prior to opening it, disconnect unit and supply voltage source. Make sure that all parts of the unit are protected against direct touching when mounting the unit and setting its connections.
3. Please always adhere to the standard safety regulations for electric devices, power systems and light-current installations, and make sure that your national safety regulations (e.g. VDE 0100) are observed.
4. If unit is to be connected to other devices (e.g. PC) the circuitry has to be designed most carefully. Internal connection in third party units may result in not-permissible voltages.
5. If there is a risk whatsoever involved in running it, the unit has to be switched off immediately and to be marked accordingly to avoid re-starting.  
Operator safety may be at risk if:
  - there is visible damage to the unit
  - the unit is not working as specified
  - the unit has been stored under unsuitable conditions for a longer time.

In case of doubt, please return unit to manufacturer for repair and/or maintenance.