Pin Assignment Series 100/115 PROFIBUS-DP/SSI

General note:

If the measuring system is the last station in the Profibus line, the DIP switches *DIP1* and *DIP2* for the Profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise they must be switched off.

The Profibus also works when the measuring system is removed. Is the measuring system the last station in the Profibus line, the reference potential of the terminator resistances is missing!

In order to enable a separate wiring of incoming and outgoing signals the Profibus terminals and the terminals for the supply voltage have two connection possibilities.

TR-Electronic recommends for the operation to use only bus cables certified by the PNO.

With the BCD address switches 10^1 and 10^0 the station address for the Profibus is set from 3 to 99.

Explanation of terms:

US:	Supply voltage, 11-27 V DC
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm

X1 - screw clamp 2-pin

Pin 1	Profibus DataB
Pin 2	Profibus DataA

X2 - screw clamp 2-pin

Pin 1	For service purposes only (PT+)
Pin 2	US-input Preset 2

X3 - screw clamp 2-pin (option)

Pin 1	SSI-Clock –
Pin 2	SSI-Data –

X4 - screw clamp 2-pin

Pin 1	US, supply voltage
Pin 2	GND, supply voltage 0 V

X5 - screw clamp 2-pin

Pin 1	Profibus DataB
Pin 2	Profibus DataA

X6 - screw clamp 2-pin

Pin 1	For service purposes only (PT–)
Pin 2	US-input Preset 1

X7 - screw clamp 2-pin (option)

Pin 1	SSI-Clock +
Pin 2	SSI-Data +

X8 - screw clamp 2-pin

Pin 1	US, supply voltage
Pin 2	GND, supply voltage 0 V