Pin assignment

Laser Measuring Device LE-200 Profibus-DP Class 2

General note:

If the device is the last station in the profibus line, the DIP switches *S3* and *S4* for the profibus terminator (switching-on of the terminal resistance) must be switched on, otherwise they must be switched off. ***With the add-on connection of the terminal resistance the outgoing bus (PB_A_OUT, PB_B_OUT) is interrupted!***
The profibus also operates, if the device is separated from the connection cap.
TR-Electronic recommends for the operation to use only bus cables certified by the PNO.
With the BCD address switches *S1 (10^0)* and *S2 (10^1)* the station address for the profibus is set from 3 to 99.

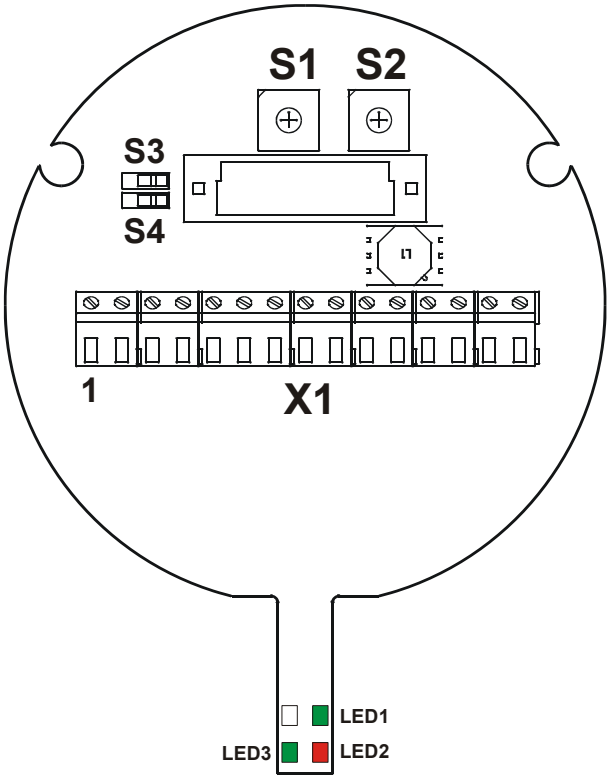
Print clamps:
Connection angle 45°, grid spacing 5 mm, screw M 2.6 x 5.3 mm, nominal cross-section 1.5 mm², connection up to 2.5 mm² (fixed or flexible), nominal voltage 250 V, rated current 15 A, according to VDE 0100.

Explanation of terms:

US:	* Standard supply voltage: 18-27 V DC, device with heating: 24 V DC (± 5 %)
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm
US-output:	1-level > US-2V, 0-level < 1 V, up to 100mA
Opto-input:	Opto coupler for line driver (RS422)
RS422-output:	see DIN 66 348, part 2

X1 - screw clamp, 15-pole

Pin 1	Profibus Data PB_A_IN
Pin 2	Profibus Data PB_B_IN
Pin 3	Profibus Data PB_A_OUT
Pin 4	Profibus Data PB_B_OUT
Pin 5	US-input, programmable
Pin 6	US-output, programmable
Pin 7	Signal GND (reference potential pin 6)
Pin 8	Programming interface RS485 +
Pin 9	Programming interface RS485 –
Pin 10	* US, supply voltage
Pin 11	0V, supply voltage
Pin 12	Opto-input for SSI-clock +
Pin 13	Opto-input for SSI-clock –
Pin 14	RS422-output for SSI-data +
Pin 15	RS422-output for SSI-data –



LEDs

LED1	(green):	Profibus-DP active
LED2	(red):	flashing = Profibus-DP not active, static = hardware failure
LED3	(green) :	Hardware OK