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 mm^2, connection up to 2.5 mm^2 (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 ($\pm$ 5 %)
US-input:	1-level > +8V, 0-level < +2V, up to $\pm$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 –
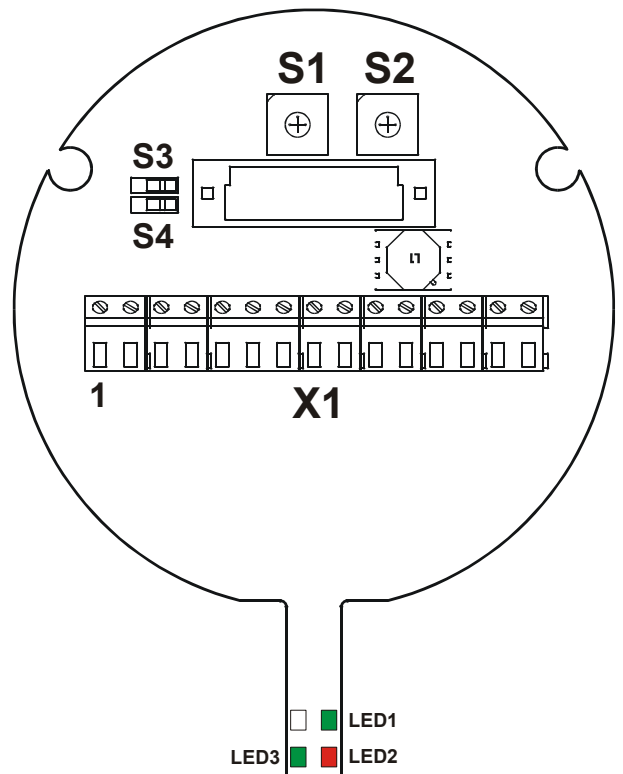
LEDs

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