Connector pin assignment LA-66 Profibus Linear-Encoder in protective case with PNO-Profile Class 2

General note:

If the encoder 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 encoder is removed. Is the encoder 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, 19-27 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 Do not connect !
Pin 2 Do not connect !

X3 - screw clamp 2-pin (option)

Pin 1 Do not connect !
Pin 2 Do not connect !

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 Do not connect !
Pin 2 US-input for Preset 1

X7 - screw clamp 2-pin (option)

Pin 1 Do not connect !
Pin 2 Do not connect !

X8 - screw clamp 2-pin

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