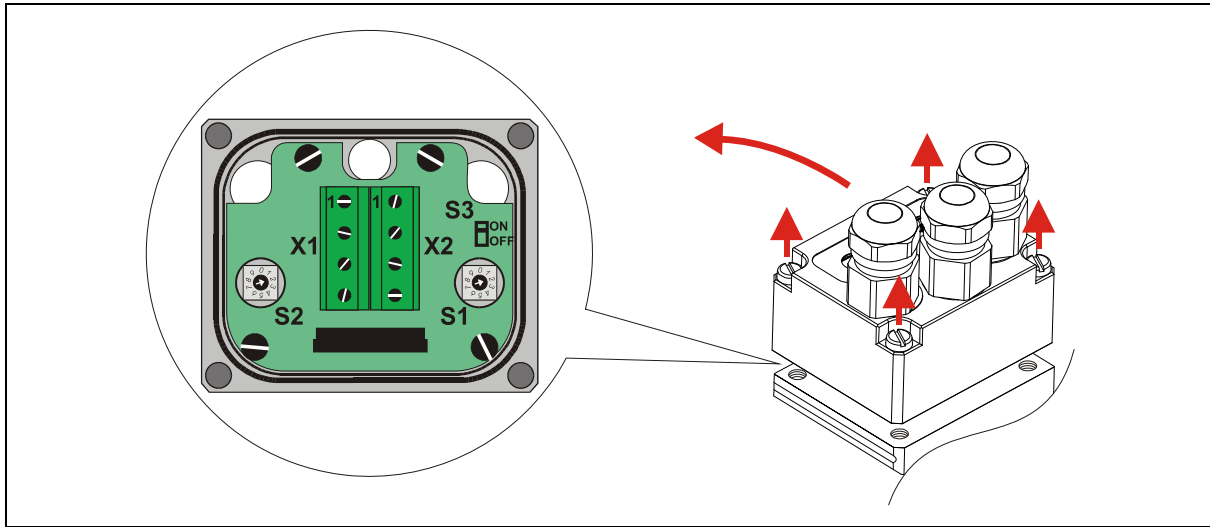


## Pin assignment

### 58 / 80 Profibus-DP PNO Class 2



X1	Screw clamp 4 pin	
Pin 1	Profibus, Data A	Profibus_IN
Pin 2	Profibus, Data B	
Pin 3	US, 11-27 V DC	
Pin 4	GND, 0V	

X2	Screw clamp 4 pin	
Pin 1	Profibus, Data A	Profibus_OUT
Pin 2	Profibus, Data B	
Pin 3	US, 11-27 V DC	
Pin 4	GND, 0V	

#### Print clamp, MKDSN 1,5/ 4-5,08: (not connected clamps must be tightened securely!)

- Nominal current: 13.5 A
- nominal voltage: 250 V
- grid spacing: 5.08 mm
- number of poles: 4
- connection angle: 0°
- nominal cross-section (flexible) max. 1.5 mm<sup>2</sup>
- nominal cross-section AWG/kcmil max. 16



Betriebsanleitung beachten! - Observe User Manual!



## Pin assignment

● = ON    ○ = OFF    ⊙ = 1 Hz    ⊚ = 10 Hz

BUS FAIL (red)	BUS RUN (green)	Cause
○	○	No supply voltage, hardware error
●	⊙	Parameter- or configuration error (Preset value 1/2 or limit switch out of range, wrong GSD file) Memory error, position error
○	⊙	Blink mode is supported only in case of older measuring system generations. Unrecoverable measuring system defect (memory error, position error)
⊙	●	No allocation to a master, no data exchange
○	⊙	Parameter- or configuration error in PNO compatible target configuration (number of revolutions is not a power of two)
○	●	operational, no error, bus in cycle

### General note:

If the measuring system is the last station in the Profibus segment, the DIP switch  $S_3$  for the Profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise the terminator must be switched off. With the add-on connection of the terminal resistance the Profibus signals DataA\_OUT and DataB\_OUT will be switched off and following slaves are separated from the bus.

The Profibus also operates, if the device is separated from the connection cap, however with one exception: **If the measuring system is the last station in the Profibus segment, the termination isn't fully active because the reference potential of the terminator resistance 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 Profibus User Organization (PNO).

With the BCD address switches  $S_1$  ( $10^0$ ) and  $S_2$  ( $10^1$ ) the station address for the Profibus is set from 3 to 99.



Betriebsanleitung beachten! - Observe User Manual!

