

Connector pin assignment INTERBUS-S Encoder with SYPI3 (2-pole screw clamps)

General note:

If the encoder is the last node in the ring, it must only be wired the connectors for the incoming remote bus interface and connector X4 for the encoder supply voltage.

If there are additional nodes in the ring after the encoder, it must be wired additionally the connectors for the remote out interface to the subsequent node.

For the subsequent node to be detected, the DIP-switch "RBST" must be set "ON".

TR-Profile: ID=51 dec. (33 HEX), K1: ID=54 dec. (36 HEX), K2: ID=54 dec. (36 HEX), K3: ID=55 dec. (37 HEX).

Print clamps: 2-pole, connection angle 45°, grid spacing 5 mm, screw M 2,6 x 5,3 mm, drilling Ø 1.3 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

REMOTE IN

X1 - screw clamp 2-pin

- Pin 1 DO1
- Pin 2 DO1 inverted

X2 - screw clamp 2-pin

- Pin 1 GNDI (data reference potential)
- Pin 2 DI1

X3 - screw clamp 2-pin

- Pin 1 DI1 inverted
- Pin 2 PE

X4 - screw clamp 2-pin, supply voltage

- Pin 1 0V - supply voltage
- Pin 2 US - supply voltage 11 - 27 V DC

REMOTE OUT

X5 - screw clamp 2-pin

- Pin 1 DO2
- Pin 2 DO2 inverted

X6 - screw clamp 2-pin

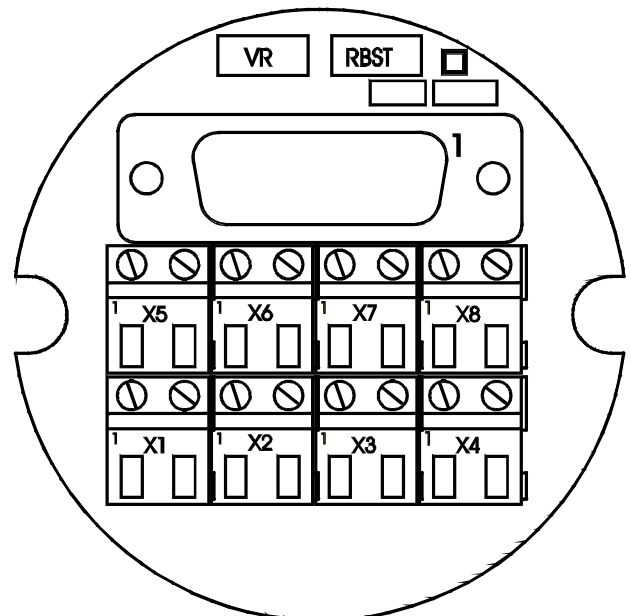
- Pin 1 GND (data reference potential)
- Pin 2 DI2

X7 - screw clamp 2-pin

- Pin 1 DI2 inverted
- Pin 2 PE

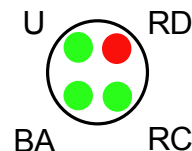
X8 - screw clamp 2-pin, supply voltage

- Pin 1 0V - supply voltage
- Pin 2 US - supply voltage 11 - 27 V DC



LED's

- RD (red): Following IBS-Interface is disconnected
- RC (green): Remote-Control
- BA (green): Interbus-S active
- U (green): SUPI Supply-Voltage



VR (count direction), only in the case of HE / ZE encoder

"OFF": turn cw (look onto the shaft), values = increasing, "ON": values = decreasing

The cable screen has to be connected on the cable gland respectively!