

Pin assignment Laser Measuring Devices INTERBUS-S, Encom-K3-Profile

General note:

If the encoder is the last node in the ring, it must only be wired the connector X1 for the incoming remote bus interface. The encoder supply voltage can be connected either onto the connector X1 or onto the connector X2 since the power supply is connected internally with each other. If there are additional nodes in the ring after the encoder, it must be wired additionally the connector X2 for the remote out interface to the subsequent node. For the subsequent node to be detected, you must insert a jumper between PIN 11 "RBST" and PIN 12 "GND" on connector X2. Encoder Identno. = 55 decimal (37 HEX). In the master, the encoder data occupies two-word addresses for IN-data and two-word addresses for OUT-data.

Phoenix- Terminals:

10 / 12-pole:	Connector Phoenix 8A/160V, grid spacing 3.81 mm		
Connection:	fixed 0,14 - 1,5 mm ²	flexible 0,14 - 1,5 mm ²	Conductor sizes (AWG) 28 - 16

REMOTE IN

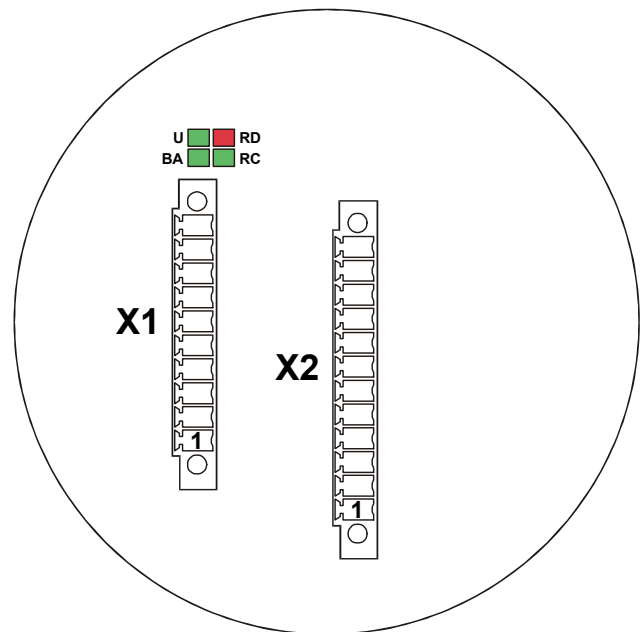
X1 – screw clamp, 10-pole

- Pin 1 DO1
- Pin 2 DO1 inverted
- Pin 3 GNDI (data reference potential)
- Pin 4 DI1
- Pin 5 DI1 inverted
- Pin 6 Shield (internal via RC-element onto cases)
- Pin 7 Programming interface RS485 +
- Pin 8 Programming interface RS485 –
- Pin 9 0V-supply voltage
- Pin 10 * US - supply voltage

REMOTE OUT

X2 – screw clamp, 12-pole

- Pin 1 DO2
- Pin 2 DO2 inverted
- Pin 3 GNDO (data reference potential)
- Pin 4 DI2
- Pin 5 DI2 inverted
- Pin 6 Do not connect !
- Pin 7 Do not connect !
- Pin 8 Do not connect !
- Pin 9 0V-supply voltage
- Pin 10 * US - supply voltage
- Pin 11 RBST inverted
- Pin 12 GND



LED's

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

Range selector switch

- OFF: <100m
- ON : >100m: Do not move the measuring system in the voltage-loose state below or above the 100m mark! The non-compliance leads to measuring errors, the measuring system must be moved back into the range as described.

- * Standard device: 18 - 27 V DC (± 5 %)
- Device with heating: 24 V DC (± 5 %)