

**Connector pin assignment Laser Measuring Device LE-200 INTERBUS-S, Encom-K3-Profile**

**General note:**

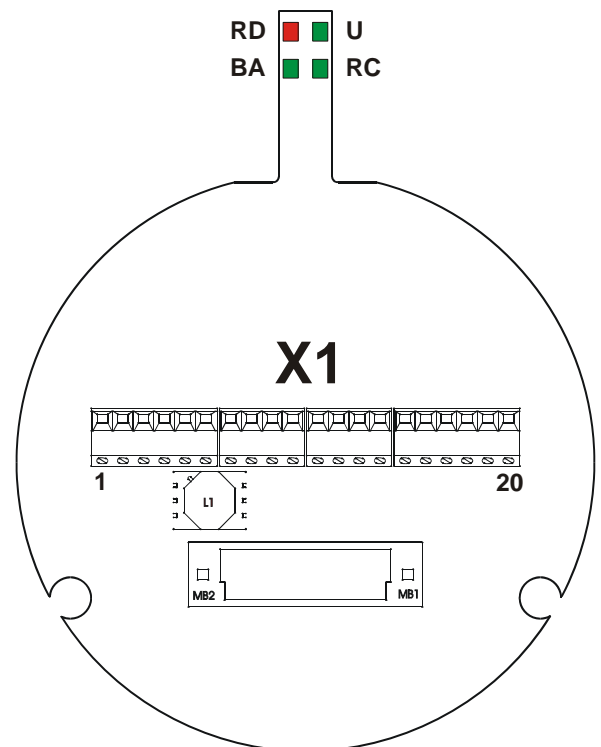
If the Laser Measuring Device is the last node in the ring, it must only be wired the signals for the incoming remote bus interface (Remote IN). If there are additional nodes in the ring after the Laser Measuring Device, it must be wired additionally the signals for the remote out interface to the subsequent node (Remote OUT). For the subsequent node to be detected, you must insert a jumper between PIN 5 "/>

**Explanation of terms:**

SMKDS 1-3,5:	Print-Clamp Phoenix Contact 10A/160V, grid 3.5 mm, connection direction 55°		
Connection:	inflexible 0,14 - 1,5 mm <sup>2</sup>	flexible 0,14 - 1 mm <sup>2</sup>	Conductor size (AWG) 26 - 16
	flexible with wire end sleeve without plastic sleeve: 0,25 - 0,5 mm <sup>2</sup>		flexible with wire end sleeve with plastic sleeve: 0,25 - 0,5 mm <sup>2</sup>
US:	Supply Voltage Standard Device: 18 - 27 V DC, device with heating: 24 V DC (± 5%)		
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm		
US-output:	1-level > US-2V, 0-level < 1 V, up to 100mA		
GNDI / GND	galvanically from each other separated data reference potentials		

**X1 – screw clamp, 20-pole**

Programming, Supply, Control	Pin 1	Signal GND (reference potential pin 2)
	Pin 2	US-output, programmable
	Pin 3	US-input, programmable
	Pin 4	GND (reference potential for RBST)
	Pin 5	RBST inverted
	Pin 6	GND (reference potential outgoing Bus)
	Pin 7	0V-supply voltage
	Pin 8	US-supply voltage
	Pin 9	Programming interface RS485 –
	Pin 10	Programming interface RS485 +
Remote OUT	Pin 11	DO2 inverted
	Pin 12	DO2
	Pin 13	DI2 inverted
	Pin 14	DI2
Remote IN	Pin 15	GNDI (reference potential incoming Bus)
	Pin 16	Shield (internal via RC-element onto case)
	Pin 17	DO1 inverted
	Pin 18	DO1
	Pin 19	DI1 inverted
	Pin 20	DI1



**LEDs**

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

Subject to change

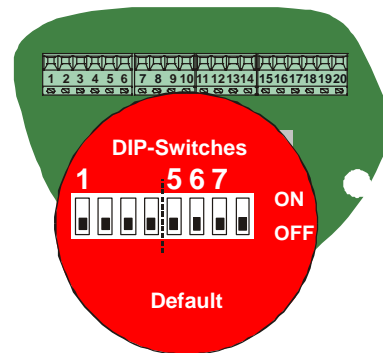
### Adjusting of the speed monitoring (optional)

At active speed monitoring with exceeding of the adjusted speed level the corresponding warning bit in the malfunction code is set, see User Manual.

This function is optional and can be used only, if the Function-DIP-switch is equipped on the connection circuit board:

- DIP-switches 5 – 7 = 000 **(Default)**:  
Settings under parameter "Speed limit value" are active, see User Manual
- DIP-switches 5 – 7 = 010:  
Settings of the DIP-switches DIP-1 up to DIP-4 are active

DIP-1	DIP-2	DIP-3	DIP-4	
0	0	0	0	not active
1	0	0	0	0,7 m/s
0	1	0	0	1 m/s
1	1	0	0	2 m/s
0	0	1	0	3 m/s
1	0	1	0	4 m/s
0	1	1	0	10 m/s



### Adjusting of the baud rate (optional)

This function is optional and can be used only, if the Function-DIP-switch is equipped on the connection circuit board:

- DIP-switch 8 = 0 **(Default)**: 500 kBit/s
- DIP-switch 8 = 1: 2000 kBit/s

