

Connector pin assignment Laser Measuring Devices (LE) CAN-OPEN

General notes:

The CAN-Bus line (CAN_H and CAN_L) has to be terminated at the beginning or at the end with a terminating resistor of 121 ohms (**CAN-TERMINATOR**).

Explanation of terms:

COMBICON 9-pole:	Connector Phoenix COMBICON 12A/250V, grid 5.08 mm		
Connection:	inflexible 0,2 - 2,5 mm ²	flexible 0,2 - 2,5 mm ²	Conductor sizes (AWG) 24 - 12
	flexible with wire end sleeve without plastic sleeve: -	flexible with wire end sleeve with plastic sleeve: -	
US:	Supply voltage: Standard device: 18 - 27 V DC, Device with heating: 24 V DC		

X1 - COMBICON 9-pole

- Pin 1 CAN_H
- Pin 2 CAN_L
- Pin 3 CAN_GND
- Pin 4 Do not connect !
- Pin 5 Shield, (internal: RC-network to case)
- Pin 6 Programming interface RS485 +
- Pin 7 Programming interface RS485 -
- Pin 8 0V, supply voltage
- Pin 9 US, supply voltage

Identifier

DIP-switch 6 = identifier 2 ⁵	DIP-switch 5 = identifier 2 ⁴	DIP-switch 4 = identifier 2 ³	DIP-switch 3 = identifier 2 ²	DIP-switch 2 = identifier 2 ¹	DIP-switch 1 = identifier 2 ⁰	Encoder address = identifier
off	off	off	off	off	off	1
off	off	off	off	off	on	2
off	off	off	off	on	off	3
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on	on	on	on	on	off	63
on	on	on	on	on	on	64

Baud rate

DIP-switch 8	DIP-switch 7	Baud rate
off	off	20 kbps
off	on	125 kbps
on	off	500 kbps
on	on	1000 kbps

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.

