

Connector pin assignment Laser Measuring Devices (LE) DeviceNet

General note:

The CAN-Bus line 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 N.C.
- Pin 5 Shield
- Pin 6 Do not connect !
- Pin 7 Do not connect !
- Pin 8 0V - supply voltage
- Pin 9 US - supply voltage

LED off	Encoder is not on-line - No Dup_MAC_ID-test - Device may not be powered
green	On-line, with connections in the established state - Device is allocated to a master
green flashing	Dup-MAC-ID test successful Device is not allocated to a master
red flashing	Recoverable fault - e.g. I/O-connections are in the timed-out state
red	- Turn off system, after that turn on system - Replace encoder

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	0
off	off	off	off	off	on	1
off	off	off	off	on	off	2
⋮	⋮	⋮	⋮	⋮	⋮	⋮
on	on	on	on	on	off	62
on	on	on	on	on	on	63

Baud rate

DIP-switch 8	DIP-switch 7	Baud rate
off	off	125 kbps
off	on	250 kbps
on	off	500 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.

