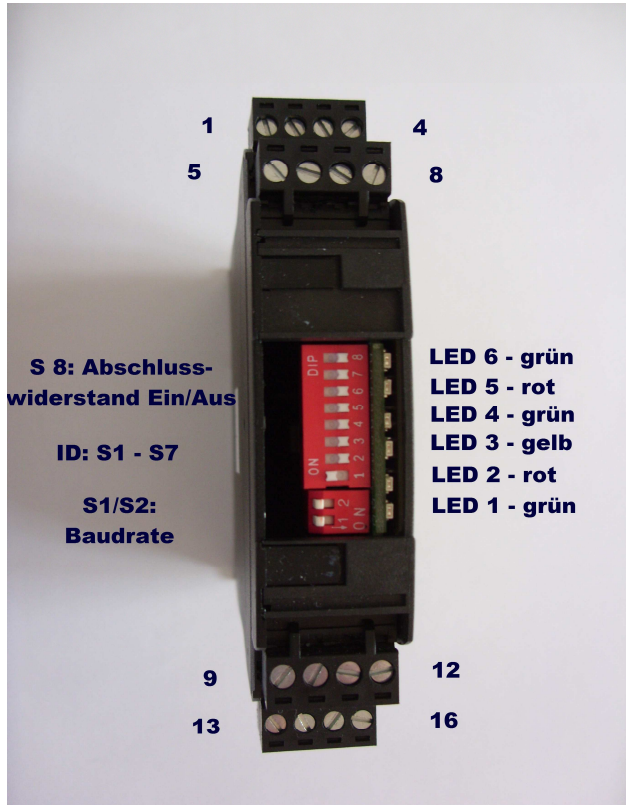




Measuring amplifier with CAN interface, Type: MU-CAN

Terminal layout, Technical data

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Layout connection terminals:

Terminal:

- 1: +24V
- 2: +24V (internally bridged with Terminal 1)
- 3: 0V
- 4: 0N (internally bridged with Terminal 3)
- 5: CAN high
- 6: CAN high (internally bridged with Terminal 5)
- 7: CAN low
- 8: CAN low (internally bridged with Terminal 7)
- 9: Power supply pressure sensor +
- 10: Signal pressure sensor +
- 11: Signal pressure sensor -
- 12: Power supply pressure sensor -
- 13: Calibrating pressure sensor +
- 14: Calibrating pressure sensor -
- 15: Shielded cable pressure sensor
- 16: PE

Signals LED 1 – 6:

- LED 1 green: Connection pressure sensor OK
- LED 2 red: Cable break pressure sensor
- LED 3 yellow: blinks if SW OK
- LED 4 green: Voltages and HW function OK
- LED 5 red: CAN-Bus failure
- LED 6 green: CAN-Bus status machine, **not module!**
 blinking: pre-operation
 glowing: working

Baud rate (2-pole DIP switch):

Switch setting:

Switch 1	2	Bit rate
0	0	125kBit
1	0	250kBit
0	1	500kBit
1	1	1MBit

Address (DIP switch 1-7):

Switch	1	7	ID
		1000000	1
		0100000	2
		1100000	3
		0010000	4
		1010000	5
		0110000	6
		1110000	7
		0001000	8
		*	
		*	
		*	
		0111111	126
		1111111	127

Other baud rates possible via software setting

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Rev. 5.4MM

Terminal layout, Technical data

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Connection pressure transmitter:	DMS bridge, resistance range 300 – 400 Ohm Nominal 350 Ohm for best accuracy
Pressure transmitter power supply:	8 Volt DC, max. 30mA, short circuit-proof
Sensitivity pressure transmitter:	min. 1mV/V, max 4mV/V
Contact for 80% calibration:	Resistance < 10 Ohm
Frequency response:	max. 25 Hz
Measuring rate:	50/s
Voltage supply module:	24 VDC nominal, (15V – 33VDC)
Current draw:	max. 100mA, dependent on baud rate
Bus coupling:	in accordance with ISO 11898
CAN specifications:	HighSpeed CAN, 5V differential DS301, DS402 protocols
Baud rate:	125kBd, 250kBd, 500kBd, 1MBd via DIP switch (2-pole) adjustable
ID:	1 – 127 with DIP switch adjustable
Load resistor: switch	120 Ohm, capable of being switched ON and Off using DIP
Indicators:	LED 1 green: Connection pressure sensor OK LED 2 red: Cable break pressure sensor LED 3 yellow: blinks if SW OK LED 4 green: Voltages OK, HW function! LED 5 red: CAN-Bus failure (CAN-Bus machine) LED 6 green: CAN-Bus status

Zero point and 80% value adjustable via software

Option: Linearization at 0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100% possible
with use of a pressure balance

Characteristic curve pre-programmed as straight ex works

Dimensions casing (WxHxD)

25 x 100 x 120 mm (screw terminals)

or

25 x 120 x 120 mm (plug-in block terminals)

Fitted to a 35mm top-hat rail

We reserve the right to amend the technical specifications!