

## Steckerbelegung / Pin Assignment

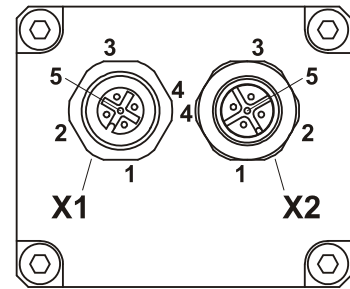
**CMx-58 CANopen 2x M12 (radial)**

**125/250/500/1000 kBaud**

### Allgemeine Hinweise:

Wenn das Mess-System die letzte Station im CANopen-Segment ist, muss der DIP-Schalter **SW2** für den CAN-Bus-Terminator (Zuschaltung des Abschlusswiderstandes) eingeschaltet werden (SW2=ON). Sonst muss er ausgeschaltet sein (SW2=OFF). Bei der Zuschaltung des Abschlusswiderstandes wird der nachfolgende Bus (CANopen\_OUT) abgeschaltet, nachfolgende Slaves werden vom Bus getrennt.

Für den Betrieb sind nur paarweise verdrehte und geschirmte Bus- bzw. Anschlusskabel zu verwenden. Der Schirm ist jeweils auf die Kabelverschraubung des Gegensteckers aufzulegen.



X1	<b>CANopen_OUT, M12-Buchse (M12x1-5 pol. A-kodiert)</b>
Pin 1	CAN_Shield
Pin 2	US-Versorgung, 11-27 V DC
Pin 3	0V-Versorgung
Pin 4	CAN_H
Pin 5	CAN_L

X2	<b>CANopen_IN, M12-Stecker (M12x1-5 pol. A-kodiert)</b>
Pin 1	CAN_Shield
Pin 2	US-Versorgung, 11-27 V DC
Pin 3	0V-Versorgung
Pin 4	CAN_H
Pin 5	CAN_L

<b>SW1 Identifier (ID), Encoderadressierung</b>						
DIP-6 = ID 2 <sup>5</sup>	DIP-5 = ID 2 <sup>4</sup>	DIP-4 = ID 2 <sup>3</sup>	DIP-3 = ID 2 <sup>2</sup>	DIP-2 = ID 2 <sup>1</sup>	DIP-1 = ID 2 <sup>0</sup>	Adresse = ID
off	off	off	off	off	off	1
off	off	off	off	off	on	2
off	off	off	off	on	off	3
...	...	...	...	...	...	...
on	on	on	on	on	off	63
on	on	on	on	on	on	64

<b>SW3 Baudrate</b>			
DIP-2	DIP-1	Baudrate	Leitungslänge [m]
off	off	125 kBaud	bis 500
off	on	250 kBaud	bis 250
on	off	500 kBaud	bis 100
on	on	1 MBaud	bis 25

Status LED  
- BUS RUN = grün

GRÜN

- : Alles ok, betriebsbereit
- : Versorgung fehlt, Hardwarefehler
- ⊙ : keine Zuordnung zu einem Master

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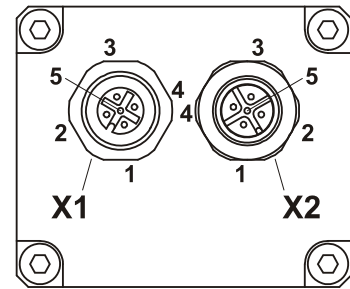
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### General note:

If the measuring system is the last station in the CANopen-segment, the DIP switch **SW2** for the CAN-bus terminator (switching-on of the terminal resistance) must be switched on (SW2=ON). Otherwise the terminator must be switched off (SW2=OFF). If the terminal resistance is switched on the following bus (CANopen\_OUT) is switched off and the slaves are separated from the bus.

For the operation shielded twisted-pair bus- or connection-cables must be used. The shield has to be connected to the cable screw gland of the mating connector.



X1	CANopen_OUT, M12 female (M12x1-5 pol. A-coded)	X2	CANopen_IN, M12 male (M12x1-5 pol. A-coded)
Pin 1	CAN_Shield	Pin 1	CAN_Shield
Pin 2	US-supply voltage, 11-27 V DC	Pin 2	US-supply voltage, 11-27 V DC
Pin 3	0V-supply voltage	Pin 3	0V-supply voltage
Pin 4	CAN_H	Pin 4	CAN_H
Pin 5	CAN_L	Pin 5	CAN_L

SW1 Identifier (ID), Encoder addressing						
DIP-6 = ID 2 <sup>5</sup>	DIP-5 = ID 2 <sup>4</sup>	DIP-4 = ID 2 <sup>3</sup>	DIP-3 = ID 2 <sup>2</sup>	DIP-2 = ID 2 <sup>1</sup>	DIP-1 = ID 2 <sup>0</sup>	Address = ID
off	off	off	off	off	off	1
off	off	off	off	off	on	2
off	off	off	off	on	off	3
...	...	...	...	...	...	...
on	on	on	on	on	off	63
on	on	on	on	on	on	64

SW3 Baud rate			
DIP-2	DIP-1	Baud rate	Line length [m]
off	off	125 kbps	up to 500
off	on	250 kbps	up to 250
on	off	500 kbps	up to 100
on	on	1000 kbps	up to 25

Status LED  
- BUS RUN = green

- = ON
- = OFF
- ◐ = FLASHING

GREEN

- : OK, Operational
- : No supply voltage, hardware error
- ◐ : No allocation to a master