Steckerbelegung LMP - 30 CANopen

Allgemeine Hinweise:

Wenn der Linear-Encoder die letzte Station im CANopen-Segment ist, muss der DIP-Schalter ***SW10*** für den CAN-Bus-Terminator (Zuschaltung des Abschlusswiderstandes) eingeschaltet werden (SW10=ON). Sonst muss er ausgeschaltet sein (SW10=OFF).

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

X1	*CANopen_IN*
Pin 1	CAN_GND
Pin 2	US-Versorgung, 19-27 V DC
Pin 3	0V-Versorgung
Pin 4	CAN_H
Pin 5	CAN_L

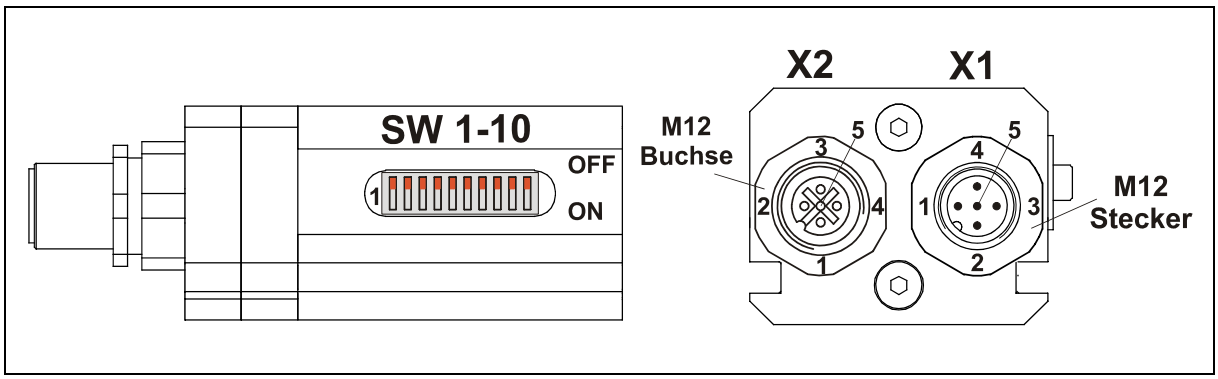
X2	*CANopen_OUT*
Pin 1	CAN_GND
Pin 2	US-Versorgung, 19-27 V DC
Pin 3	0V-Versorgung
Pin 4	CAN_H
Pin 5	CAN_L

SW1 bis SW 6 Identifier (ID), Encoderadressierung

DIP-6 = ID 2^5	DIP-5 = ID 2^4	DIP-4 = ID 2^3	DIP-3 = ID 2^2	DIP-2 = ID 2^1	DIP-1 = ID 2^0	Adresse = ID
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

SW 7 bis SW 9 Baudrate

DIP-9	DIP-8	DIP-7	Baudrate	Leitungslänge [m]
off	off	off	20 kBaud	bis 2500
off	off	on	1000 kBaud	bis 25
off	on	off	800 kBaud	bis 50
off	on	on	500 kBaud	bis 100
on	off	off	250 kBaud	bis 250
on	off	on	125 kBaud	bis 500
on	on	off	100 kBaud	bis 1000
on	on	on	50 kBaud	bis 1250



Connector pin assignment LMP - 30 CANopen

General note:

If the linear-encoder is the last station in the CANopen-segment, the DIP switch ***SW10*** for the CAN-bus terminator (switching-on of the terminal resistance) must be switched on (SW10=ON). Otherwise the terminator must be switched off (SW10=OFF).
For the operation shielded twisted-pair bus- or connection-cables must be used. The shield has to be connected to the cable screw gland.

X1	CANopen_IN
Pin 1	CAN_GND
Pin 2	US-supply voltage, 19-27 V DC
Pin 3	GND- supply voltage 0V
Pin 4	CAN_H
Pin 5	CAN_L

X2	CANopen_OUT
Pin 1	CAN_GND
Pin 2	US-supply voltage, 19-27 V DC
Pin 3	GND- supply voltage 0V
Pin 4	CAN_H
Pin 5	CAN_L

SW1 to SW 6 Identifier (ID), Encoder addressing

DIP-6 = ID 2^5	DIP-5 = ID 2^4	DIP-4 = ID 2^3	DIP-3 = ID 2^2	DIP-2 = ID 2^1	DIP-1 = ID 2^0	Address = ID
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

SW 7 bis SW 9 Baud rate

DIP-9	DIP-8	DIP-7	Baud rate	Line length [m]
off	off	off	20 kbaud	up to 2500
off	off	on	1000 kbaud	up to 25
off	on	off	800 kbaud	up to 50
off	on	on	500 kbaud	up to 100
on	off	off	250 kbaud	up to 250
on	off	on	125 kbaud	up to 500
on	on	off	100 kbaud	up to 1000
on	on	on	50 kbaud	up to 1250