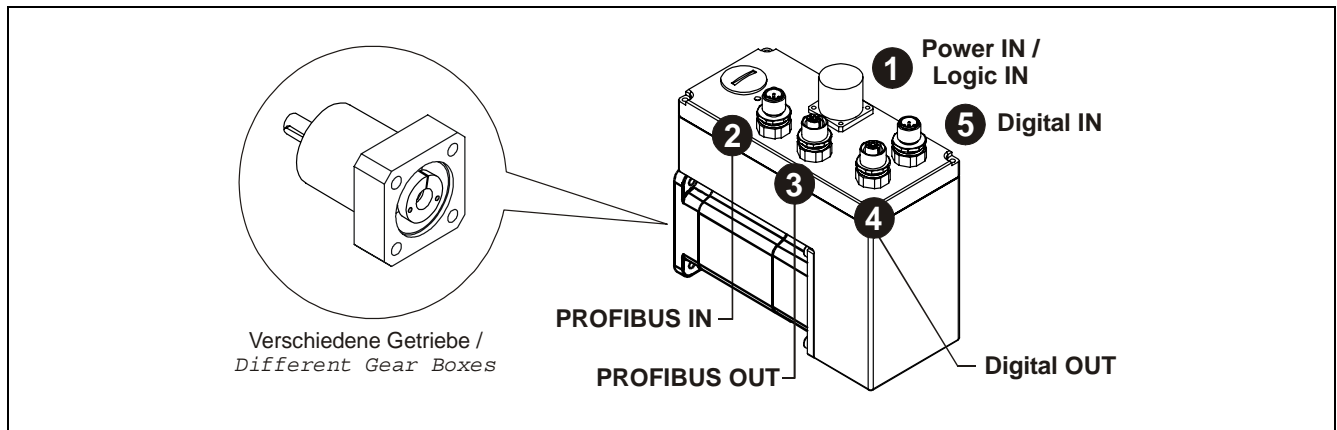
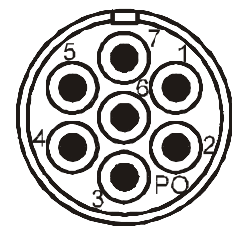


MD-300-PB-... (4x digital I/O)

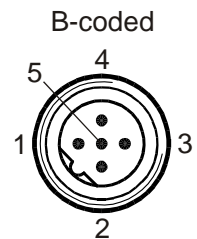


Steckseite / Mating Face

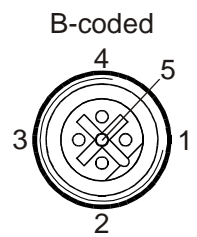
1		Stift / Male Connector (CONINVERS M23)
1	0 V	Power IN
<sup>2)</sup> 2	0 V	
<sup>1)</sup> 3	+24 V DC	Logic IN (Digital IN / Digital OUT / Electronic)
4-5	N.C.	
6	PE	Erdung / Protective earth conductor
7	+24 V DC ... +48 V DC	Power IN



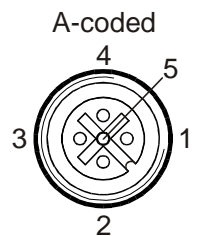
2		Stift / Male Connector (M12 x 1-5 pol.)
1	N.C.	PROFIBUS IN
2	Profibus, Data A	
3	N.C.	
4	Profibus, Data B	
5	N.C.	
Gewinde / Thread		Shield



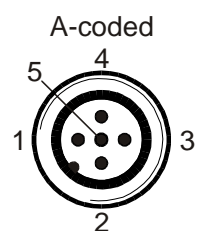
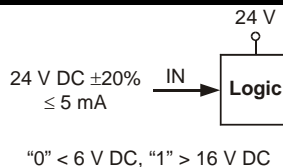
3		Buchse / Female Connector (M12 x 1-5 pol.)
1	N.C.	PROFIBUS OUT
2	Profibus, Data A	
3	N.C.	
4	Profibus, Data B	
5	N.C.	
Gewinde / Thread		Shield



4		Buchse / Female Connector (M12 x 1-5 pol.)
<sup>2)</sup> 1	<sup>3)</sup> 0 V (OUT)	Digital OUT
2	Output 0, ≤ 0,3 A	
3	Output 1, ≤ 0,3 A	
4	Output 2, ≤ 0,3 A	
5	Output 3, ≤ 0,3 A	



5		Stift / Male Connector (M12 x 1-5 pol.)
<sup>1)</sup> 1	<sup>3)</sup> +24 V DC (OUT)	Digital IN
2	Input 0	
3	Input 1	
4	Input 2	
5	Input 3	



1) 2) intern jeweils miteinander verbunden / internally connected with each other

3) Max. Ausgangsstrom: ≤ 1 A ! / Max. output current: ≤ 1 A !

**Profibus-Adresse, Busabschluss / Profibus Address, Bus Termination**

Schrauben (C) lösen und Deckel (A) abheben

*Loosen the screws (C) and take off the cover (A)*

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OFF = Operation  
ON = Firmware update

- Über die Adress-Schalter S1 und S2 auf der Deckelunterseite (A) die Profibus-Adresse einstellen. S1 = 10<sup>1</sup> / S2 = 10<sup>0</sup>. Gültige Profibus-Adressen = 3 - 99.
- Einschaltung des Abschluss-Widerstandes über S4, wenn das Gerät der erste oder letzte Teilnehmer in der Bus-Linie ist. Der abgehende Bus wird dabei unterbrochen.
- Adjust the Profibus address via the address switches SW1 and SW2 on the cover bottom side (A). S1 = 10<sup>1</sup> / S2 = 10<sup>0</sup>. Valid Profibus addresses = 3 - 99.
- Switching-on of the terminal resistance via S4, if the device is the first or last subscriber in the bus line. Thereby, the outgoing bus is interrupted.

**Interface IEEE-1394 / PROFIBUS Status LEDs**

● = ON

○ = OFF

⊙ = 0.5 Hz

SF BF ON

rot / red      grün / green

SF	BF	ON	Bedeutung	Ursache	Meaning	Cause
○	○	○	Keine Spannungsversorgung	-	No power	-
●, ○	●	●	Keine Verbindung zu einem Gerät - kein Data Exchange	- Bus unterbrochen - Master nicht verfügbar/abgeschaltet	No connection to another device -no Data Exchange	-Bus disconnected -Master not available / switched off
●, ○	⊙	●	Parametrierungsfehler - Data Exchange korrekt. Slave jedoch nicht im Data Exchange Mode	- Slave nicht oder falsch konfiguriert - Falsche Stationsadresse - Akt. Konfiguration ≠ Sollkonfiguration	Parameterization fault, no Data Exch. -Data Exchange correct. However, the slave is not in Data Exchange mode	-Slave not or wrong configured -Wrong station address assigned -Act. Configuration ≠ Nominal Config.
●	○	●	Fehler innerhalb des Slaves - Slave im Data Exchange Mode	- Min. 1 Slave-Diagnose-Meldung	Fault within slave -Slave in Data Exchange mode	-Min. 1 slave-diagnosis-message
○	○	●	Data Exchange. Slave und Betrieb OK	-	Data Exchange. Slave + operation OK	-