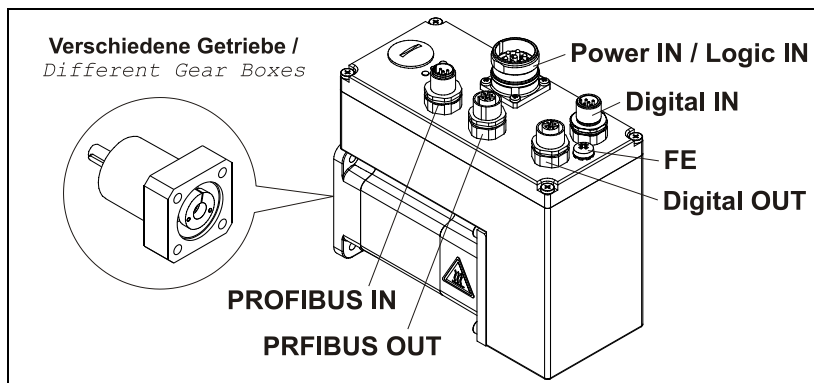


Steckerbelegung / Pin assignment

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

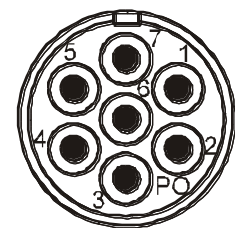


Die Schirmung ist großflächig auf das Gegensteckergehäuse aufzulegen!
Empfehlung: Potentialausgleich (FE) großflächig mit dem Erdungsanschluss der Anlage verbinden. /

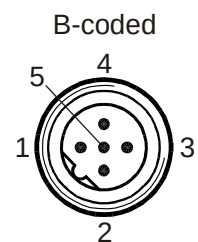
The shielding is to be connected with large surface on the mating connector housing!
Recommendation: Connect the potential equalisation (FE) to the grounding connection of the system across a sufficiently sized surface.

Steckseite / Mating Face

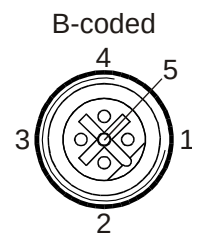
Power IN/Logic IN	Stift / Male Connector	(CONINVERS M23)
1	0 V	Power IN
²⁾ 2	0 V	Logic IN (Digital IN / Digital OUT / Electronic)
¹⁾ 3	+24 V DC	
4 – 5	N.C.	–
6	PE	Schutzerde / Protective earth
7	+24 V DC ... +48 V DC	Power IN



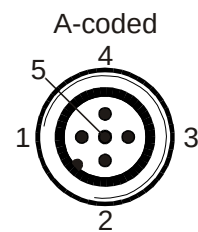
PROFIBUS IN	Stift / Male Connector	(M12 x 1-5 pin)
1	N.C.	B-coded
2	Profibus, Data A	
3	N.C.	
4	Profibus, Data B	
5	N.C.	
Gewinde / Thread	Shield	



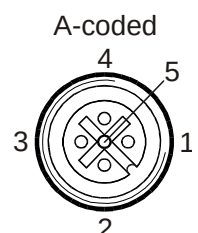
PROFIBUS OUT	Buchse / Female Connector	(M12 x 1-5 pin)
1	N.C.	B-coded
2	Profibus, Data A	
3	N.C.	
4	Profibus, Data B	
5	N.C.	
Gewinde / Thread	Shield	



Digital IN	Stift / Male Connector	(M12 x 1-5 pin)
¹⁾ 1	³⁾ +24 V DC (OUT)	24 V DC $\pm 20\%$ $\leq 5 \text{ mA}$ "0" < 6 V DC, "1" > 16 V DC IN → Logic
2	Input 0	
3	Input 1	
4	Input 2	
5	Input 3	



Digital OUT	Buchse / Female Connector	(M12 x 1-5 pin)
²⁾ 1	³⁾ 0 V (OUT)	A-coded
2	Output 0, $\leq 0,3 \text{ A}$	
3	Output 1, $\leq 0,3 \text{ A}$	
4	Output 2, $\leq 0,3 \text{ A}$	
5	Output 3, $\leq 0,3 \text{ A}$	



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

³⁾ **Max. Ausgangsstrom: $\leq 1 \text{ A}$! / Max. output current: $\leq 1 \text{ A}$!**

Profibus-Adresse, Busabschluss / Profibus Address, Bus Termination

The diagram shows a device with a cover labeled 'A' and several screws labeled 'C'. Red arrows indicate the screws being loosened to remove the cover.

Schrauben (C) lösen und Deckel (A) abheben

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

The diagram shows the internal circuit board with switches S1, S2, S3, and S4. S1 and S2 are rotary switches with positions for 10¹ and 10⁰. S3 is a toggle switch with ON and OFF positions. S4 is a toggle switch with ON and OFF positions. A legend indicates: OFF = Operation, ON = Firmware update.

- Über die Adress-Schalter S1 und S2 auf der Deckelunterseite (A) die Profibus-Adresse einstellen. S1 = 10¹ / S2 = 10⁰. 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 = 10¹ / S2 = 10⁰. 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

The diagram shows the IEEE-1394 connector with pins labeled SF, BF, and ON. It also shows the internal layout of the device with pins labeled NC, RXD, NC, GND, TXD, and NC.

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	-