

belastet sind; ggfs. sind **zusätzliche Maßnahmen wie Schirmbleche oder metallisierte Gehäuse** vorzusehen. Leitungsführungen parallel zu Energieleitungen vermeiden.

- Schutzspulen müssen mit Funkenlöschgliedern beschaltet sein.

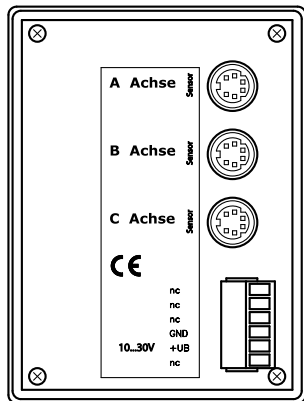


Abb. 2: Geräterückseite

Spannungsversorgung

Die Spannungsversorgung erfolgt über die rückseitige Reihenleiste gemäß Abb.2. Die Spannung ist u.a. den Lieferpapieren oder dem Typenschild zu entnehmen ist und beträgt:

z.B. 24 VDC ±20%

5. Inbetriebnahme

Die Bedienung und Programmierung der Anzeige erfolgt mit den vier frontseitigen Folientasten.

Einschalten

Nach Einschalten der Betriebsspannung wird im Display die aktuelle Softwareversion angezeigt. Anschließend kann die Anzeige anwendungsspezifisch programmiert werden.

Beispiel:

	5	2	3
S	1	0	0

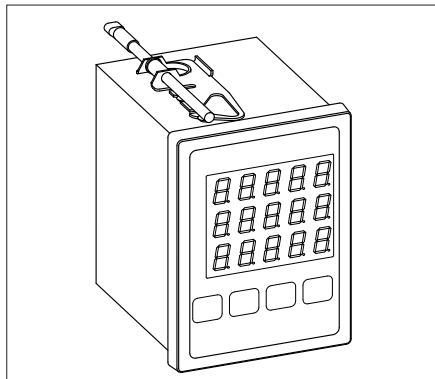
An die Anzeige sind ausschließlich die Sensoren MS500, die das Magnetband MB500 abtasten, anzuschließen.



Tastenfunktion / Programmiermodus / Parameterbeschreibung / Eingabemodus etc., siehe Beiblatt Softwarebeschreibung.

MA523

Three-axis position indicator



ENGLISH

1. Safety Information

- In order to carry out installation correctly, we strongly recommend this document is read very carefully. This will ensure your own safety and the operating reliability of the device.
- Your device has been quality controlled, tested and is ready for use. Please respect all warnings and information which are marked either directly on the device or in this document.
- Warranty can only be claimed for components supplied by SIKO GmbH. If display MA523 is used together with other products, the warranty for the complete system is invalid.
- Repairs should be carried out only at our works. If any information is missing or unclear, please contact the SIKO sales staff.

2. Identification

Please check the particular type of unit and type number from the identification plate. Type number and the corresponding version are indicated in the delivery documentation.

eg. MA523-0023
 └───┬───┬───┬───
 └───┬───┬─── version number
 └───┬───┬─── type of unit

3. Installation

The unit should only be used according to the protection level provided. Protect display MA523, if necessary, against environmental influences such

as sprayed water, dust, knocks, extreme temperatures.

Mounting of the display

- Push the device without fixing clamps into the panel cut-out. Then make the bracket snap into the stud at the front (1), press it down (2) to fix it to the casing. Tighten fixing screws (3).

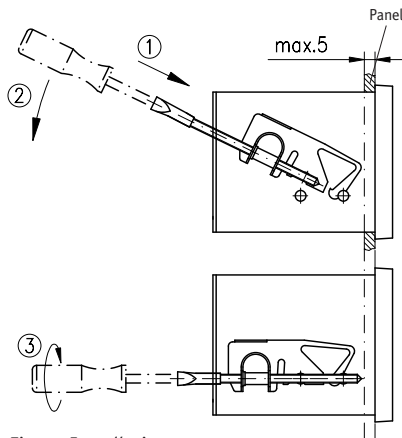


Fig. 1: Installation

4. Electrical connection

- Wiring must be carried out only with power off!
- Provide stranded wires with ferrules.
- Check all lines and connections before switching on the equipment.

Interference and distortion

All connections are protected against the effects of interference. **The location should be selected to ensure that no capacitive or inductive interference can affect the display or the connection lines!** Interference can be caused by motors, switch gears, cyclic controls and contactors. Suitable wiring layout and choice of cable can minimise the effects of interference.

Necessary measures

- Only screened cable should be used. Screen should be connected to earth at both ends. Wire cross section is to be at least 0,14mm², max. 0,5mm².
- Wiring to screen and to ground (0V) must be via a good earth point having a large surface area for minimum impedance.
- The unit should be positioned well away from cables with interference; if necessary a **protective screen or metal housing** must be provided.

- Contactor coils must be linked with spark suppression.

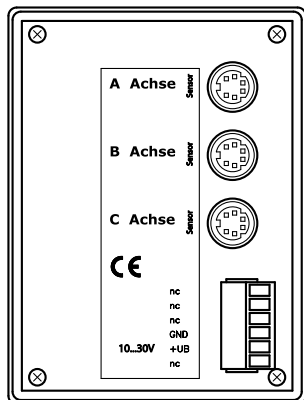


Fig. 2: MA523 rear

Supply voltage

Via clamp terminal at the rear (fig. 2). Correct supply voltage

e.g. 24 VDC \pm 20%

is indicated in the delivery documentation and on the identification plate.

5. Commissioning

The four front mounted membrane keys are used for operating and programming display MA523.

When switched on

MA523 displays the software version. Subsequently the specific parameters of the machine can be programmed.

Eg.:

	5	2	3
S	1	0	0

Only the MS500 sensors, which scan the MB500 magnetic band must be connected to the indicator.

Key's function / Programming mode / Parameter description / Input mode etc., see enclosed page with software description.



SIKO GmbH

Werk / Factory:

Weihermattenweg 2
79256 Buchenbach-Unteribental

Postanschrift / Postal address:

Postfach 1106
79195 Kirchzarten

Telefon/Phone +49 7661 394-0

Telefax/Fax +49 7661 394-388

E-Mail info@siko.de

Internet www.siko.de

Service support@siko.de