

Safety sheet Measuring system SIKO MSA111C

[Valid for linear direct drive]

Note on the Declaration of Conformity

Linear motor axes from SCHUNK and the optionally available controllers comply with the relevant safety directives. Observe the information in the Declaration of Incorporation supplied with the product.

SCHUNK products are intended for installation in a machine/automated system. After installation, the manufacturer of the machine/ automated system is obliged to draw up a Declaration of Conformity for the entire system in accordance with the EC Machinery Directive or the EC Low Voltage Directive.

Notes on the installation of the measuring system

SCHUNK hereby confirms that the measuring system has been mechanically fastened to the linear motor axis at the factory in accordance with the generally recognized rules of technology in such a way that unintentional release or breakage of the fastening can be safely ruled out. The above-mentioned measuring system is approved by SCHUNK.

If it is necessary to replace the measuring system or retrofit it to the linear motor axis, it is essential to observe the following instructions:



⚠ WARNING

Risk of injury/material damage due to improper installation!

Improper assembly and/or installation of a measuring system not approved by SCHUNK can lead to serious injuries or even death. Components can be damaged.

- Only install measuring systems approved by SCHUNK in compliance with the relevant manufacturer's specifications.
- Install professionally and in accordance with the generally recognized rules of technology; safely rule out unintentional release or breakage of the fastening.

EC Type-Examination Certificate



Product Safety
Functional
Safety

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ID 0600000000

Reg.-Nr./No.: 01/205/5484.02/25

**Prüfgegenstand
Product tested**

Magnetischer Linearpositionssensor
magnetic length measurement system

**Zertifikats-
inhaber
Certificate
holder**

SIKO GmbH
Weihermattenweg 2
79256 Buchenbach
Germany

**Typbezeichnung
Type designation**

MSA111C-DQ (Sensor),
MBA111 (Magnetband)
Für Details siehe Revisionsliste
MSA111C-DQ (sensor head),
MBA111 (magnetic tape)
Details see attached Revision List

**Prüfgrundlagen
Codes and standards**

EN 61800-5-2:2007
EN 61800-5-2:2017
EN ISO 13849-1:2023

EN 61508 Parts 1-7:2010
EN 61010-1:2010 + A1:2019 + AC:2019-04

**Bestimmungsgemäße
Verwendung
Intended application**

Der Magnetische Linearpositionssensor erfüllt die Anforderungen der Prüfgrundlagen (PL d / Kat. 3 nach EN ISO 13849-1 und SIL 2 nach EN 61800-5-2 / EN 61508). Das Produkt kann im Anwendungsbereich der EN IEC 62061 eingesetzt werden. Für den Einsatz in sicherheitsgerichteten Anwendungen ist der MSA111C-DQ in Verbindung mit der Antriebssteuerung SIEMENS-SINAMICS © oder - SINUMERIK © zur weiteren Signalüberwachung und Auswertung zu betreiben.
The Magnetic Linear Position Sensor complies with the requirements of the relevant standards (PL d / Cat. 3 according to EN ISO 13849-1 SIL 2 according to EN 61800-5-2 / EN 61508). The product can be used in the application area of EN IEC 62061. The product can be used within the scope of EN IEC 62061. For use in safety-related applications, the MSA111C-DQ must be operated in combination with SIEMENS-SINAMICS © or SINUMERIK © drive controller for further signal monitoring and evaluation.

**Besondere Bedingungen
Specific requirements**

Die Hinweise in der zugehörigen Installations- und Betriebsanleitung sind zu beachten.
The instructions of the associated Installation and Operating Manual shall be considered.

Es wird bestätigt, dass der Prüfgegenstand mit den Anforderungen nach Anhang I der Richtlinie 2006/42/EG über Maschinen übereinstimmt.

It is confirmed that the product under test complies with the requirements for machines defined in Annex I of the EC Directive 2006/42/EC.

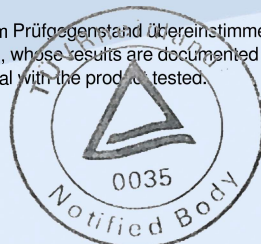
Gültig bis / Valid until 2030-11-06

Der Ausstellung dieses Zertifikates liegt eine Prüfung zugrunde, deren Ergebnisse im Bericht Nr. 968/FSP 1152.03/25 vom 24.10.2025 dokumentiert sind.

Dieses Zertifikat ist nur gültig für Erzeugnisse, die mit dem Prüfgegenstand übereinstimmen.

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1152.03/25 dated 2025-10-24.

This certificate is valid only for products which are identical with the product tested.



Köln, 2025-11-06

Notified Body for Machinery, NB 0035

Sabine Wiegand

Dipl.-Ing. (FH) Sabine Wiegand

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