

## Safety sheet Measuring system TTK50S / TTK70S

### 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

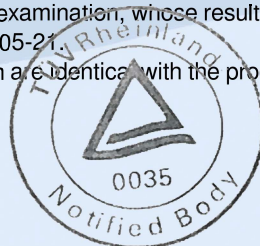
**Reg.-No.:** 01/205/5702.01/24

<b>Product tested</b>	Magnetic Linear Position Sensor	<b>Certificate holder</b>	SICK AG Erwin-Sick-Str. 1 79183 Waldkirch Germany
<b>Type designation</b>	TTK70S-HXA0-K02, TTK70S-HXJ0-K02, TTK70S-HXI0-K02, TTK50S-HXJ0K02, TTK50S-HXI0K02, TTK50S-HXQ0K02, TTK50S-HXM0K02 (Sensors) MVM-XXM-2MC-MKLB, MVM-01M2MCMKLB (Tape)		
<b>Codes and standards</b>	EN 61800-5-2:2007 EN 61800-5-2:2017 EN ISO 13849-1:2023	EN 61508 Parts 1-2 and 4-7:2010 DIN EN 61010-1:2020-03	
<b>Intended application</b>	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) and can be used in applications up to PL d and SIL 2. The product can be used in the application area of EN IEC 62061:2021.		
<b>Specific requirements</b>	The instructions of the associated Implementation and Operating Manual shall be considered. The drive control shall perform the vector length check of the SIN/COS signals and in case of relative positioning related safety functions the comparison with the digital position value.		

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

Valid until 2029-05-27

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1797.01/24 dated 2024-05-21.  
This certificate is valid only for products which are identical with the product tested.



Köln, 2024-05-27

Notified Body for Machinery, NB 0035

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