MagLine

SIKO

Product Presentation

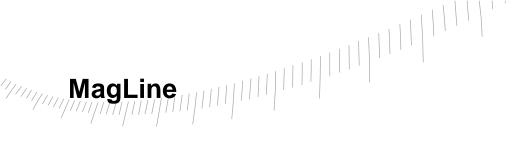## *MSA111C-DriveCliQ*
MagLine Micro Absolut
SIL2-certified!

Siko GmbH
D-79256 Buchenbach
www.siko.de

MagLine

In general:

The well-proven absolute sensor of the MagLine Micro portfolio received beginning of the year 2015 the interface DriveCliQ for the connection to a Siemens SINUMERIK or SINAMICS control system. Now the sensor has been **SIL2 certified according the norm EN 61508, performance level "d", category 3 (acc. EN ISO 13849).**
The MSA111C DQ with SW1 (SIL2-certified) is **the first open linear encoder with certified safety function!**
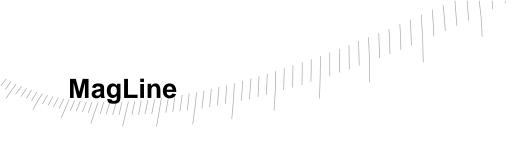
Function:

The DriveCliQ interface characterizes itself through an easy connection (plug and play) to the **Siemens SINUMERIK and SINAMICS-control systems.**
The DriveCliQ- interface uses an electronic type label. This label contains component specific data, which offer a failure-free configuration and first installation of the drive system.

Due to the SIL2-certification the sensor can also be used in safety applications of the machine building industry. Where two sensors previously were required to fulfill the requirements of functional safety, now the MSA111C-DQ with SIL2 fulfills all requirements.

User benefits:

- Absolute real-time transmission of position data
- System accuracy: +/-10 µm
- Repeat accuracy: +/-2 µm for a high performance
- Resolution: 1 µm
- Travel speed:
- 5 m/sec (DriveCliQ)
- & 10 m/sec (sin/cos) in dynamic operation
- Reduced project work through an easier connection of the components
- Easy and simple diagnosis with the help of the electronic type label
- **SIL2 certified by TÜV Rheinland-Pfalz**
- **Simple use in application of the machine building industry in areas of "functional safety"**
- **Cost optimization, an automatic installation and a high error monitoring – these are the advantages of the new MSA111C-DQ with SIL2!**

Siko GmbH
D-79256 Buchenbach
www.siko.de

MagLine

SIKO

Applications:

- Feedback of linear motors
- Medical industry / robotics or analysis industry
- Mounting and handling device
- Wood processing with real-absolute position feedback
- Everywhere, where an easy connection to a Siemens SINUMERIK or SINAMICS control systems is required
- **Everywhere, where the safety is given high priority and systems with SIL2 are required!**
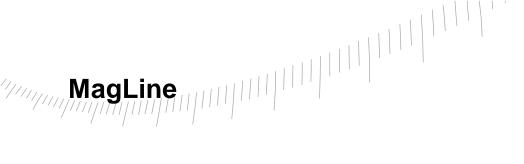
Ordering code:

■ Ordering table

Feature	Ordering data		Specification
Interface	SSI	A	RS422
	DQ		DRIVE-CLiQ
	RS485		SIKONETZ3
Temperature sensor	K	B	without cable
	E		for external temperature sensor
Connector position	H	C	horizontal
	V		vertical
Software	S	D	standard
	SW01		SIL2-compliant

■ Order key

MSA111C - [A] - [B] - [C] - [D]

Mounting kit ZB3053 is required for the SIL2 certification!

Siko GmbH
D-79256 Buchenbach
www.siko.de

MagLine

SIKO

Prices:

Basic price:	MSA111C	€ 773,50
Interface:	DQ	€ 16,80
Software SW1	SIL2	€ 185,00

Availability / Delivery time:

Available end of January 2016
3 weeks

Competition:

At present no competitor offers a SIL2-certified magnetic linear encoder !

Siko GmbH
D-79256 Buchenbach
www.siko.de