



MIS

Identification sensor for reading magnetic-coded tags

MAGNETIC PROXIMITY SENSORS

SICK
Sensor Intelligence.

Advantages



Specially designed for easy identification tasks

The MIS magnetic-coded identification sensor from SICK is specially designed for reading magnetic-coded tags and is particularly well-suited for simple identification tasks as are used in tool or format changes, for example. Thanks to the pre-coded magnetic tags, programming effort is reduced since the tags do not first have to be written. The sensor and the tag(s) simply have to be attached to the desired position(s), then they're ready to go.

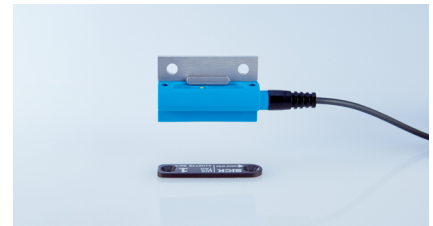
MIS - magnetic-coded identification sensor



Mounting is very simple thanks to the mounting support available as an option.



Since the tags are already magnetic-coded and do not have to be written, no programming is needed.



Due to the high repeatability, a second presence-detecting sensor is no longer needed.



Very easy commissioning thanks to universal mounting support and tags with advance magnetic coding



Technical data overview

Product category	Device for reading magnetic-coded tags from SICK	
Scanning range	0 mm ... 3 mm, Distance between sensor and tag	
Number of different magnetic-coded tags	15	
IO-Link	✓	
Analog output	Current	4 mA 20 mA
	Voltage	0 V DC 10 V DC



Product description

The MIS is a magnetic-coded identification sensor that is used to identify magnetic-coded tags. The MIS is used in conjunction with magnetic-coded tags and optionally a mounting bracket from SICK. The tag number can either be output via an analog voltage, a current output or via IO-Link. The analog output is configured by default with a 16-step division so that 15 magnetic-coded tags can be differentiated. In addition to identification, the presence of tags can be passed on to the control via a digital switching output. Due to its function, the MIS is particularly well-suited for simple identification tasks as are used in tool or format changes, for example. Thanks to the pre-coded magnetic tags, programming effort is reduced since the tags do not first have to be written. The sensor and the tag(s) simply have to be attached to the desired position(s), then they're ready to go.

At a glance

- Identification sensor for reading magnetic-coded tags
- The tag number is output either via an analog voltage, a current output or via IO-Link
- Digital switching output for presence detection of the tag

Your benefits

- Very easy mounting and commissioning
- High repeatability
- A second sensor for checking for presence is not needed
- No programming effort since the tags are magnetic-coded
- The rugged mounting holds the sensor in the required position, even when exposed to shock and vibration, and increases reliability

Fields of application

- Easy gripper identification (robotics, handling and assembly, consumer goods industry)
- Simple workpiece carrier identification (electronics and solar industry, handling and assembly)
- Simple tool identification (machine tools)

Ordering information

Other models and accessories → www.sick.com/MIS

- **Scanning range:** 0 mm ... 3 mm, Distance between sensor and tag
- **Number of different magnetic-coded tags:** 15

Communication interface	Analog output (current)	Analog output (voltage)	Connection type	Type	Part no.
IO-Link	4 mA ... 20 mA	0 V DC ... 10 V DC	1 x Cable with M8 male connector, 4-pin, 0.3 m	MIS-025CLTP0	1102692

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com