



T4000 Standard

Non-contact safety switches with high level of prevention against tampering

SICK
Sensor Intelligence.



Technical data overview

Sensor principle	RFID
Safety level	PL e
Actuator coding level	High coding level (EN ISO 14119)
Type of output	Relays
Connection type	Plug-in terminals Cable Plug connector, M8, 3-pin (depending on type)

Product description

The T4000 Standard transponder safety switch offers a high level of prevention against tampering due to individually coded actuators. It comprises several components, including a sensor, a coded actuator and an evaluation unit. The sensor, which is used to query the actuator, has a small design that makes it easy and quick to mount. Evaluation takes place centrally in the evaluation unit in the control cabinet.

At a glance

- Small sensors with external evaluation unit
- Response range of up to 10 mm
- Sensors with plug connector or connected cable
- Up to performance level PL e / Cat. 4 (EN ISO 13849)

Your benefits

- High level of prevention against tampering due to individually coded actuator
- High level of machine availability due to high tolerances for door misalignment
- High level of machine reliability due to resistance to shocks and vibrations
- Space-saving mounting due to compact housing design
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards
- Long service life due to durable and low-maintenance design

Fields of application

- Monitoring of safety doors and removable guards
- Applications requiring a high standard of hygiene
- Applications where precise guidance of the safety door is not possible
- Machinery and systems where vibrations occur
- Ex-zone 2 hazardous locations (with ATEX variant only)

Ordering information

Other models and accessories → www.sick.com/T4000_Standard

System part	Coding	Connection type Detail	Length of cable	LED	Type	Part no.
Evaluation unit	–	Plug-in terminals	–	✓	T4000-1RBA01	6012147
sensor	Uniquely coded	Cable	5 m	–	T4000-DNA05P	6012144
			10 m	–	T4000-DNA10P	6012145
			15 m	–	T4000-DNA15P	6012146
		Plug connector, M8, 3-pin	–	–	T4000-DNAC	6021912

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