



## T4000 Direct

Intelligent and non-contact door monitoring with high manipulation protection

**SICK**  
Sensor Intelligence.



## Product description

The T4000 Direct transponder safety switch is used in applications where a high level of prevention against tampering is essential. It works with an integrated evaluation unit for sensor signals and can be connected directly to a safety controller. The safety switch is only released if a valid actuator is located within the T4000 Direct's response range. With the multicoded version, any valid actuator may be located within the response range. In contrast, the unique coded version will only identify the individually coded actuator with the matching code that is located within the response range. The T4000 Direct enables up to 20 safety switches, all with LED status indicators, to be connected. This makes electrical installation and servicing simple and convenient.

## At a glance

- Multicoded and unique coded sensors
- Response range of up to 19 mm
- Safe series connection of up to 20 sensors possible
- Two OSSD safety outputs for direct connection of sensors to a single safety controller
- LED status indicator
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Sensors with plug connector

## Your benefits

- High level of prevention against tampering due to individually coded actuator (depending on type)
- High level of machine availability due to high tolerances for door misalignment
- High level of machine reliability due to resistance to shocks and vibrations
- Cascadability of up to 20 sensors saves costs
- 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)
- 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

## Ordering information

Other models and accessories → [www.sick.com/T4000\\_Direct](http://www.sick.com/T4000_Direct)

## 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](http://www.sick.com)