

NEW

T 4000

Compact

PRODUCT INFORMATION



**New ways to improve availability:
T 4000 Compact non-contact safety interlocks.**

SICK

T 4000 Compact puts an end to all interlock problems.

Dirt

Dirt and grime

Wherever dust and dirt make excessive demands on mechanical and opto-electronic systems.

Heavy doors

Heavy doors with imprecise door guidance

The low-cost solution wherever heavy and bulky doors make precise door guidance impossible.

High hygiene requirements

Wherever caustic cleaning agents are used and stringent hygiene regulations are in force.

Severe vibrations

Thanks to their large operating distances, the T 4000 Compact interlocks are the ideal, low-cost solution for doors, flaps and protective devices which are exposed to severe vibrations.

Extreme ambient conditions

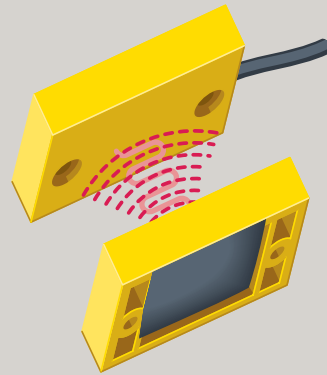
Extremely robust housings and device components mean that SICK interlock systems can withstand the most hostile of ambient conditions.

Hygiene

Vibration

APPLICATIONS

- Automotive industry
- Foodstuff industry
- Timber industry
- Stonework industry



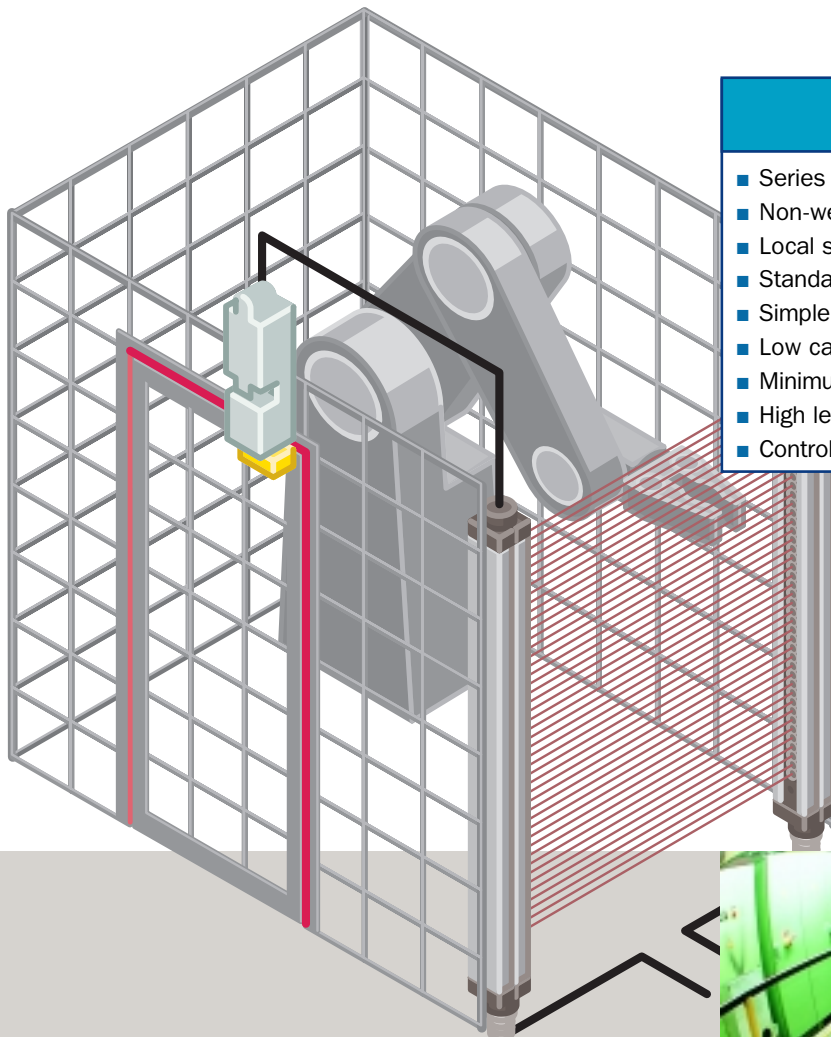
T 4000 Compact: The ideal solution wherever stringent hygiene requirements have to be met.

Non-contact interlocking to ensure maximum safety.

T 4000 Compact non-contact safety interlocks are ideal for hostile operating conditions and prevent manipulation.

T 4000 Compact non-contact safety interlocks allow your production equipment to function perfectly regardless of external influences and provide extremely effective protection against manipulation. Thanks to a newly

developed combination consisting of a reader head and integrated evaluation unit, the T 4000 Compact systems can be used for an even broader range of applications to ensure 100% safety.



THE BENEFITS OF THE T 4000 COMPACT SYSTEM

- Series connection of systems possible
- Non-wearing semiconductor outputs
- Local status indicator
- Standard connection system
- Simple installation
- Low cabling requirements
- Minimum space requirements in switch cabinet
- High level of manipulation prevention
- Control category 3

Thanks to their integrated evaluation electronics, T 4000 safety interlocks make external all-or-nothing relays unnecessary, thus making installation easier than ever.



Reduce costs resulting from downtimes – Increase availability.

Compliance with currently applicable or future European standards as well as the optimisation of system availability require professional solutions. In addition to its opto-electronic safety systems, SICK also offers a comprehensive range of mechanical safety interlocks.

Our solutions are the result of intensive cooperation with customers and the relevant safety authorities.

An extensive service network with subsidiaries and representatives all over the world provides you with expert support wherever you need it.

Applications and solutions

T 4000 Compact safety interlocks are used to monitor moving protective devices:

- Hazardous work at machines can only be carried out when the protective devices are closed.

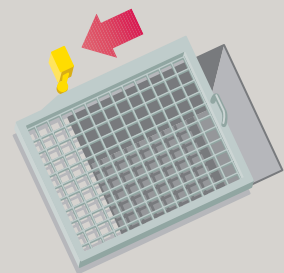
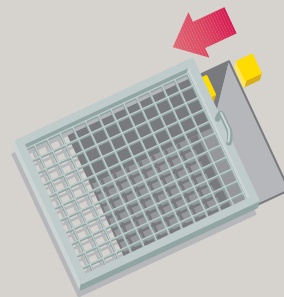
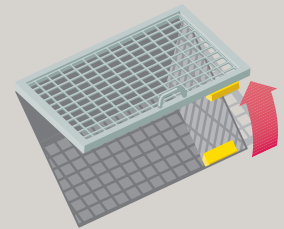
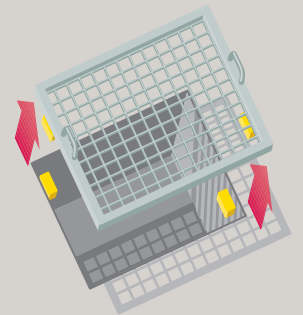
- A stop command is triggered if the protective device is opened while the machine is still running.

- Compliance with control category 3 to EN 954-1 (in accordance with BG approval).

- Proximity switches with PDF-M contact monitoring to EN 60 947-5-3.

- Redundant, self-monitoring circuit configuration in evaluation unit ensures reliable operation even if a component fails.

- The output state of the semiconductor outputs is checked whenever the protective device is opened and closed.



Pointing the way. SICK safety interlocks for safeguarding movable safety partitions.

Intelligently configured safety systems – worldwide.



Design and function

The T 4000 Compact non-contact safety interlock consists of the following components:

- coded actuating element
- reader and evaluation unit



The perfect solutions for any application.

Apart from T 4000 Compact non-contact safety interlocks, SICK's product range also includes systems from the

- plastic line
- metal line
- high-end line

SICK offers complete safety concepts, and not just safety products.

Increasing automation leads to greater demands on safety systems. Solutions aimed at reducing costs and increasing productivity are required. SICK's safety management system offers more than just components – it provides complete safety concepts which include organisation, know-how and technology.

T 4000 SERIES	
Frequency of actuation	High
Ambient conditions	Corrosive, humid, steam, dirt/dust, vibration
Interlocking	By coding
Coding	Electronic
Function	Open/close

Extending the range of state-of-the-art safety applications. T 4000 Compact safety interlocks.



Interested? Copy, Fill In and Fax Back.

Company

Name

Position/
Department

Address

Post code/
Town

Phone/Fax

Industry/Field
of application

Yes, I would like to know more about T 4000 Compact safety interlocks.

I am interested in a detailed consultation with one of your project consultants. Please arrange an appointment for me.

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Branch offices and representatives in all major industrial countries.

