



## TWINOX4

Compact design for maximum reliability

**SICK**  
Sensor Intelligence.

## Advantages



Quelle: Robert Bosch Packaging Technolog

## COMPACT DESIGN FOR MAXIMUM RELIABILITY

Safety is a crucial factor in the pharmaceutical industry, both from a patient perspective and from the perspective of pharmaceutical companies. Automation and safety technologies can be used to prevent product contamination during the manufacturing process, e.g., barrier technologies for sterile filling systems as well as isolators. The TWINOX4 safety light curtain with a stainless-steel housing has been designed specifically for use in the pharmaceutical industry. It protects operating personnel when interventions are required in the hazardous areas around machines that are subject to stringent hygiene requirements.

## Suitable for clean rooms with increased productivity and flexibility



The TWINOX4 housing can be optimally integrated into machine designs, saves space, and provides your plant with great flexibility right from the planning stage.



Thanks to its stainless-steel design with rounded edges and without undercuts, the TWINOX4 meets stringent hygiene requirements for surfaces and materials.



Aggressive cleaning agents and disinfectants such as hydrogen peroxide require media-resistant materials. The stainless-steel housing of the TWINOX4 meets this criterion as it was developed specifically for use in areas with high hygiene requirements.



**It boasts impressive features – it is rugged, easy to clean, and made of stainless steel**



### Technical data overview

<b>Safety level</b>	PL e, SIL 3, Type 4
<b>Resolution</b>	14 mm
<b>Scanning range</b>	4.5 m
<b>Protective field height</b>	300 mm / 420 mm / 600 mm (depending on type)
<b>Enclosure rating</b>	IP65, IP67
<b>Ambient operating temperature</b>	-20 °C ... +55 °C



### Product description

In the pharmaceutical industry, extremely aggressive cleaning and decontamination agents require products that are highly resistant and rugged. The TWINOX4 stainless-steel safety light curtain has been designed specifically for use in the pharmaceutical industry. Since it has no edges or gaps, its design is particularly suitable for the protection of machines with stringent hygiene requirements. Due to its compact size, the TWINOX4 is ideal for flexible installation when space is limited. It boasts impressive features – it is rugged, easy to clean, and made of stainless steel.

### At a glance

- Media resistance due to stainless-steel housing
- Easy-to-clean design with rounded edges and without undercuts
- Twin concept: Sender and receiver in a single housing
- Restart interlock, external device monitoring (EDM), beam coding
- Enclosure ratings IP65 and IP67

### Your benefits

- The small, elegant stainless-steel housing saves space, enables optimum integration into the machine design, and offers great flexibility
- Highest level of media resistance for maximum reliability
- Efficient cleaning ensures high process and production quality and a low risk of contamination
- Efficient ordering process and cost savings due to reduced storage needs and spare parts maintenance
- Adjustable brackets ensure the highest availability
- Quick on-site diagnostics with LED status indicators over the entire protective field height

### Fields of application

- Pharmaceutical industry: Primary packaging plants and filling machines with sterile conditions
- Isolators
- Restricted Access Barrier System (RABS)

### Ordering information

Other models and accessories → [www.sick.com/TWINOX4](http://www.sick.com/TWINOX4)

Resolution	Protective field height	Type	Part no.
14 mm	300 mm	C4IT-03014ABA01KA0	1094833
	420 mm	C4IT-04214ABA01KA0	1094834
	600 mm	C4IT-06014ABA01KA0	1094835

## 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)