



## C4000 Advanced Ex

Ready for explosive atmospheres

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Safety level</b>	PL e, SIL 3, Type 4
<b>Resolution</b>	30 mm
<b>Scanning range</b>	16 m
<b>Protective field height</b>	600 mm ... 1,200 mm (depending on type)
<b>Enclosure rating</b>	IP65, IP66
<b>Ambient operating temperature</b>	0 °C ... +55 °C



## Product description

The explosion-proof enclosure for safety light curtains is designed and approved for use in hazardous locations according ATEX for gas: II 2 G Ex d IIB T6 Gb, for dust: II 2 D Ex tb IIIC T56 °C Db. NFPA 70/NEC 500, Class I, Div. 1, groups C and D, Class II, Div. 1, groups E, F and G and Class III, Div. 1. The enclosure is compatible with a variety of SICK safety light curtains to fit multiple applications including paint booths, granaries, chemical processing and many others. The explosion-proof enclosure and safety light curtains have been tested together and are UL listed to give you the peace of mind that your safety solution meets the necessary safety and regulatory standards.

## At a glance

- ATEX for gas: II 2 G Ex db IIB T6
- ATEX for dust: II 2 D Ex tb IIIC T56 °C Db IP6X
- NFPA 70/NEC 500 Class I, Div. 1, Groups C and D
- NFPA 70/NEC 500 Class II, Div. 1, Groups E, F and G
- NFPA 70/NEC 500 Class III, Div. 1
- Available in protective field heights of 600 mm, 900 mm and 1,200 mm
- Resolution of 30 mm
- Scanning range of 16 m

## Your benefits

- Compatibility with numerous SICK safety light curtains makes high flexibility in the application solution possible
- Durable housing
- Simple installation and alignment with the special mounting system
- Quick commissioning of pre-mounting systems, comprises light curtain and housing
- Low downtimes thanks to resistance to water and dust as a result of enclosure rating IP 66
- Well visible LED status indicator for quick fault diagnosis
- Global availability and support for the entire safety solution

## Fields of application

- Automotive
- Paint booths
- Dusty environments
- Machine building
- Chemical application processes
- Robotics applications
- Commercial goods
- Pharmaceuticals
- Dusty environments in food applications

## Ordering information

Other models and accessories → [www.sick.com/C4000\\_Advanced\\_Ex](http://www.sick.com/C4000_Advanced_Ex)

- **System connection:** connecting cable (30 m) with flying leads, 12-wire

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Type	Part no.	Type	Part no.
30 mm	16 m	600 mm	EXS-06C6203B020	1068398	EXE-06C6203B020	1068397
		900 mm	EXS-09C6403B020	1068401	EXE-09C6403B020	1068400
		1,200 mm	EXS-12C6603B020	1068404	EXE-12C6603B020	1068403

## 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)