C4000 Fusion Ex
Ready for explosive atmospheres

SICK
Sensor Intelligence.

C4000 Fusion Ex

Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	30 mm
Scanning range	17.6 m
Protective field height	600 mm ... 1,200 mm (depending on type)
Enclosure rating	IP65, IP66
Ambient operating temperature	0 °C ... +55 °C

Product description

The C4000 Fusion Ex safety light curtain in its pressure-resistant, encapsulated, explosion-proof enclosure is specially designed and approved for use under the strict safety requirements found in explosion-hazardous areas in accordance with ATEX, IECEx, and NEC. Pre-wired and fully mounted within the housing, the complete system is also UL certified and represents a truly outstanding product that is unique on the market.

At a glance

- Certified for use in explosion-hazardous areas in accordance with ATEX, IECEx and NEC thanks to explosion-proof enclosure
- Access protection with differentiation between personnel and materials – without muting
- Hazardous point protection with optional regular blanking
- Available in protective field heights of 600 mm, 900 mm, and 1,200 mm

Your benefits

- The way the device is assembled – complete with cable and pre-installed within the explosion-proof enclosure – not only saves on installation time but also on certification costs
- Maximum safety and automation in explosive atmospheres thanks to compliance with stringent regulations and strict safety requirements
- Straightforward installation and alignment
- Maximum safety for access protection with automated material transport – the system reliably differentiates between personnel and materials without the need for an additional muting sensor
- Maximum availability thanks to regular blanking: Skids are detected and interference objects such as cables are blanked

Fields of application

- Vehicle production (paint shops)
- Woodworking machines
- Power plants (coal, gas, or fuel)
- Food industry (meal filling facilities, animal feed)
- Waste incineration and sewage treatment plants
- Distilleries
- Agricultural sector

Ordering information

Other models and accessories ➜ www.sick.com/C4000_Fusion_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	17.6 m	600 mm	EXS-06C6202A020	1097726	EXE-06C6202A020	1097725
		900 mm	EXS-09C6402A020	1097729	EXE-09C6402A020	1097728
		1,200 mm	EXS-12C6602A020	1097732	EXE-12C6602A020	1097731

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**

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