



# C4000 Fusion ATEX II 3G/3D

Ready for explosive atmospheres

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Safety level</b>	PL e, SIL 3, Type 4
<b>Resolution</b>	20 mm
<b>Scanning range</b>	21 m
<b>Protective field height</b>	300 mm ... 1,800 mm (depending on type)
<b>Enclosure rating</b>	IP65
<b>Ambient operating temperature</b>	0 °C ... +55 °C



## Product description

The C4000 Fusion ATEX II 3G/3D safety light curtain is a cost-effective, reliable solution that safeguards hazardous points and areas, even in potentially explosive atmospheres. Functions such as the restart interlock and external device monitoring provide easy machine integration. Various mounting adapters and innovative accessories enable flexible installation. The industry-tested 7-segment display saves time during alignment and diagnostics. Plus, the C4000 Fusion ATEX II 3G/3D safeguards hazardous points in explosion-hazardous areas with a protective field height of up to 1,800 mm.

## At a glance

- Type 4 (IEC 61496), SIL3 (IEC 61508), PL e (EN ISO 13849)
- ATEX II 3G / 3D (2/22 zones)
- ATEX for gas: II 3G Ex nA op is IIC T4 Gc X
- ATEX for dust: II 3D Ex tc IIIC T135 °C Dc
- 7-segment display
- External device monitoring (EDM) and restart interlock
- Beam coding for accurate system allocation
- Configuration and diagnostics via PC

## Your benefits

- ATEX II 3G / 3D for use in 2/22 zones
- Large sensing ranges up to 21 m and sufficient power reserve for use in paint finishing lines, for example
- Time-saving alignment and diagnostics by means of 7-segment display
- Beam coding protects the systems against mutual interference and thus offers a high level of availability
- Quick and easy commissioning by means of pre-configuration of the systems or clone plug
- Convenient configuration and diagnostics ensure increased availability

## Fields of application

- Automotive engineering and vehicle construction
- Robotics
- Plastics and rubber industry
- Metal working
- Woodworking machines
- Grain processing
- Packaging industry

## Ordering information

Other models and accessories → [www.sick.com/C4000\\_Fusion\\_ATEX\\_II\\_3G\\_3D](http://www.sick.com/C4000_Fusion_ATEX_II_3G_3D)

- **System connection:** Hirschmann male connector M26, 12-pin

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Type	Part no.	Type	Part no.
20 mm	21 m	300 mm	C40S-S150	1111913	C40E-S150	1111914
		600 mm	C40S-S139	1065840	C40E-S139	1065841
		750 mm	C40S-S145	1081732	C40E-S145	1081733
		900 mm	C40S-S146	1081931	C40E-S146	1081932
		1,050 mm	C40S-S131	1054690	C40E-S131	1054691
		1,350 mm	C40S-S147	1082907	C40E-S147	1082908
		1,800 mm	C40S-S135	1063410	C40E-S135	1063411

## 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)