



C4000 Advanced ATEX II 3G/3D

Ready for explosive atmospheres

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	14 mm ... 40 mm (depending on type)
Scanning range	10 m / 21 m (depending on type)
Protective field height	450 mm ... 1,800 mm (depending on type)
Enclosure rating	IP65
Ambient operating temperature	0 °C ... +55 °C



Product description

The C4000 Advanced 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 (RES) and external device monitoring (EDM) 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 Advanced ATEX II 3G/3D safeguards areas with up to an 1,800 mm protective field height.

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 range 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 industry
- Plastics and rubber industry
- Metal working
- Wood machining
- Grain processing
- Packaging industry

Ordering information

Other models and accessories → www.sick.com/C4000_Advanced_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.
14 mm	10 m	450 mm	C40S-S144	1071158	C40E-S144	1071159
		1,800 mm	C40S-S136	1063412	C40E-S136	1063413
30 mm	21 m	900 mm	C40S-S114	1050298	C40E-S116	1050537
		1,500 mm	C40S-S005	1024072	C40E-S138	1064892
		1,800 mm	C40S-S124	1051138	C40E-S142	1070016
40 mm	21 m	1,350 mm	C40S-S125	1051371	C40E-S133	1056824

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