C4000 Standard ATEX II 3G/3D

Ready for explosive atmospheres

SICK
Sensor Intelligence.

C4000 Standard ATEX II 3G/3D

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	300 mm … 1,800 mm (depending on type)
Enclosure rating	IP65
Ambient operating temperature	0 °C … +55 °C

Product description

The C4000 Standard ATEX II 3G/3D safety light curtain is a cost-effective and reliable solution that protects hazardous points and hazardous areas, even in potentially explosive atmospheres. Functions such as the restart interlock (RES) and external device monitoring (EDM) make for easy machine integration. Various mounting adapters and innovative accessories enable flexible mounting. The industry-tested 7-segment display saves time during alignment and diagnostics. The C4000 Standard ATEX II 3G/3D can be relied upon to provide protection for hazardous points in explosive environments 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
- Beam coding for accurate system allocation
- Configuration and diagnostics via PC
- External device monitoring (EDM) and restart interlock

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

Ordering information

Other models and accessories → www.sick.com/C4000_Standard_ATEX_II_3G_3D

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

Resolution	Scanning range	Protective field height	Receiver		Receiver	
			Type	Part no.	Type	Part no.
14 mm	10 m	300 mm, 600 mm	C40E-S134	1058665	C40E-S130	1054539
		1,050 mm, 1,200 mm	C40E-S140	1067221	C40E-S143	1070973
14 mm, 20 mm	10 m, 21 m	1,800 mm, 900 mm	C40E-S141	1069384	C40E-S126	1051571
14 mm	10 m	1,800 mm, 1,500 mm	C40S-S136	1063412	C40E-S132	1056425
20 mm, 30 mm	21 m	1,200 mm, 600 mm	C40E-S117	1050715	C40E-S137	1064834
30 mm	21 m	900 mm, 1,050 mm	C40E-S114	1050299	C40E-S118	1050717
		900 mm, 750 mm	C40S-S114	1050298	C40E-S111	1025787
		1,200 mm, 1,350 mm	C40E-S128	1053696	C40E-S115	1050301
		1,500 mm	C40S-S005	1024072	C40E-S005	1024073
30 mm, 40 mm	21 m	1,800 mm, 300 mm	C40E-S124	1051139	C40E-S127	1052311
30 mm	21 m	1,800 mm, 1,650 mm	C40S-S124	1051138	C40E-S123	1050748
40 mm	21 m	600 mm, 750 mm	C40E-S119	1050719	C40E-S120	1050721
		900 mm, 1,050 mm	C40E-S121	1050723	C40E-S122	1050725
		1,350 mm	C40S-S125	1051371	C40E-S125	1051372
		1,500 mm, 1,800 mm	C40E-S113	1042293	C40E-S110	1024053

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:

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