C4000 Entry/Exit

Revolutionary access protection that differentiates between people and material

SICK
Sensor Intelligence.

C4000 Entry/Exit

Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	20 mm
Scanning range	19 m
Protective field height	900 mm ... 1,500 mm (depending on type)
Enclosure rating	IP65
Ambient operating temperature	0 °C ... +55 °C

Product description

The C4000 Entry/Exit safety light curtain is used to prevent human access to dangerous areas, while still enabling the automatic transport of materials into these areas. Instead of using additional muting sensors, these safety light curtains use pattern recognition to reliably differentiate between people and material.

At a glance

- Type 4 (IEC 61496), SIL3 (IEC 61508), PL e (EN ISO 13849)
- Self-teaching, dynamic blanking
- 7-segment display
- Multiscan function increases availability
- External device monitoring (EDM), restart interlock
- Beam coding
- Configuration and diagnostics via PC

Your benefits

- Cost-effective due to the savings made on additional muting sensors or other protective measures
- A compact sensor pair significantly reduces mounting effort – additional muting sensors are not required
- With the dynamic and self-teaching blanking function, the system can reliably differentiate between man and material – this provides maximum safety
- Beam coding protects the systems against mutual interference and thus offers a high level of availability
- Time-saving alignment and diagnostics by means of 7-segment display

Fields of application

- Automotive engineering and vehicle construction
- Storage and conveyor

Ordering information

Other models and accessories ➜ www.sick.com/C4000_Entry_Exit

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

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Type	**Part no.**	**Type**	**Part no.**
20 mm	19 m	900 mm	C40S-0902CI010	1023968	C40E-0902CI010	1023969
		1,050 mm	C40S-1002CI010	1024044	C40E-1002CI010	1024045
		1,200 mm	C40S-1202CI010	1024046	C40E-1202CI010	1024047
		1,350 mm	C40S-1302CI010	1024048	C40E-1302CI010	1024049
		1,500 mm	C40S-1502CI010	1024050	C40E-1502CI010	1024051

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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