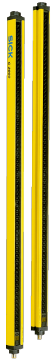


## C2000 RES/EDM

Protection with RES/EDM functions

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Safety level</b>	PL c, SIL 1, Type 2
<b>Enclosure rating</b>	IP65
<b>Ambient operating temperature</b>	0 °C ... +55 °C



## Product description

The C2000 RES/EDM safety light curtain is a reliable and cost-effective device for hazardous point and area protection. Although the C2000 RES/EDM is typically used in less complex applications with few hazards, its robust design and high signal reserve makes it suitable for use in harsh industrial environments as well. Both the integrated EDM (External Device Monitoring) and RES (Restart interlock) functions reduce wiring costs. The 7-segment display provides instant feedback on product status and ensures fast alignment and easy diagnostics. In addition, sensors, control devices, accessories, and services complete the product offering and form a packaged solution designed specifically for industrial environments.

## At a glance

- Type 2 (IEC 61496), PL c (EN ISO 13849)
- Robust, industrial housing
- 7-segment display
- Impact and scratch-resistant front screen
- External device monitoring (EDM) and restart interlock (RES)
- Beam coding for correct system allocation
- A wide range of standardized connection and mounting accessories
- Internal self-testing function, configurable without PC

## Your benefits

- Customer-friendly interfaces and status display simplify commissioning and maintenance
- High-quality industrial design provides reliable and durable continuous operation
- 7-segment display saves time during alignment and diagnostics
- Rugged design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- A multitude of intelligent mounting adapters enables flexible, time-saving installation
- Integrated restart interlock and EDM functions provide additional application flexibility and customization

## Fields of application

- Hazardous point protection on machines or systems
- Wood industry
- Textile industry
- Machine tools industry
- Logistics
- Packaging machinery
- Printing and paper industry
- Material handling equipment

## Ordering information

Other models and accessories → [www.sick.com/C2000\\_RES\\_EDM](http://www.sick.com/C2000_RES_EDM)

- **Resolution:** 40 mm
- **Housing cross-section:** 34 mm x 29 mm

Protective field height	Sender		Receiver	
	Type	Part no.	Type	Part no.
300 mm	C20S-030104A11	1016570	C20E-030304A31	1042145
450 mm	C20S-045104A11	1016456	C20E-045304A31	1042146
600 mm	C20S-060104A11	1016576	C20E-060304A31	1042147
	C20S-060204A11	1016639	C20E-060304A31	1042147
750 mm	C20S-075104A11	1016581	C20E-075304A31	1042148
900 mm	C20S-090104A11	1016586	C20E-090304A31	1042149
	C20S-090204A11	1016641	C20E-090304A31	1042149
1,050 mm	C20S-105204A11	1016642	C20E-105304A31	1042150
1,200 mm	C20S-120104A11	1016596	C20E-120304A31	1042151
	C20S-120204A11	1016643	C20E-120304A31	1042151

- **Resolution:** 20 mm
- **Housing cross-section:** 34 mm x 29 mm

Protective field height	Sender		Receiver	
	Type	Part no.	Type	Part no.
300 mm	C20S-030202A11	1016632	C20E-030302A31	1042138
450 mm	C20S-045102A11	1016573	C20E-045302A31	1042139
	C20S-045202A11	1016458	C20E-045302A31	1042139
600 mm	C20S-060102A11	1016574	C20E-060302A31	1042140
	C20S-060202A11	1016633	C20E-060302A31	1042140
750 mm	C20S-075102A11	1016579	C20E-075302A31	1042141
	C20S-075202A11	1016634	C20E-075302A31	1042141
900 mm	C20S-090102A11	1016584	C20E-090302A31	1042142
	C20S-090202A11	1016635	C20E-090302A31	1042142
1,050 mm	C20S-105102A11	1016589	C20E-105302A31	1042143
	C20S-105202A11	1016636	C20E-105302A31	1042143
1,200 mm	C20S-120102A11	1016464	C20E-120302A31	1042144
	C20S-120202A11	1016466	C20E-120302A31	1042144

- **Resolution:** 30 mm
- **Housing cross-section:** 34 mm x 29 mm

Protective field height	Sender		Receiver	
	Type	Part no.	Type	Part no.
300 mm	C20S-030203A11	1016572	C20E-030303A31	1041570
450 mm	C20S-045203A11	1016460	C20E-045303A31	1041571

Protective field height	Sender		Receiver	
	Type	Part no.	Type	Part no.
750 mm	C20S-075103A11	1016479	C20E-075303A31	1041573
	C20S-075203A11	1016583	C20E-075303A31	1041573
900 mm	C20S-090203A11	1016588	C20E-090303A31	1041574
1,050 mm	C20S-105103A11	1016483	C20E-105303A31	1041575
1,200 mm	C20S-120203A11	1016599	C20E-120303A31	1041576

## 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)