



C4-RD

The economic solution for the smallest of spaces

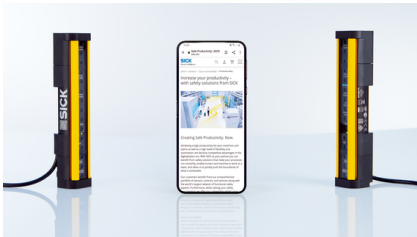
SICK
Sensor Intelligence.

Advantages

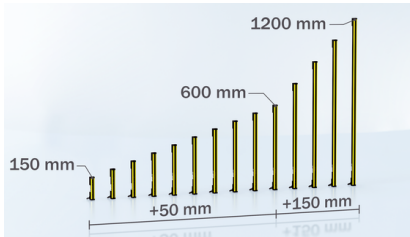


Protecting hazardous points cost-effectively

The C4-RD safety light curtain enables the economical protection of hazardous points while offering maximum safety. Thanks to small protective field heights, the C4-RD is also ideally suited for use in applications with small machine openings.



With protective field heights from 150 mm, the C4-RD is the right solution for even the smallest of spaces.



Tailor-made for your application: protective field heights available in 50-mm increments.



Safety certifications guarantee the highest level of safety for finger and hand protection.



Economic solution with the highest level of safety

Convinces also beyond that

Seamless integration of the safety light curtain into the machine is essential for cost-efficient machine design. The C4-RD makes exactly this possible. In combination with safe control solutions and services from SICK, you get an all-round worry-free package.



Thin, clever brackets and absence of blind zones reduce space requirements.



Standard connection technology and status LEDs provide support during commissioning.



The ReLy safety relay reduces required minimum distances thanks to fast response times.



Seamless machine integration and proven safety expertise from SICK



Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	14 mm / 30 mm (depending on type)
Scanning range	4.5 m
Protective field height	150 mm ... 1,200 mm (depending on type)
Enclosure rating	IP65, IP67
Ambient operating temperature	-30 °C ... +55 °C



Product description

The C4-RD safety light curtain is the economic solution for hazardous point protection with the highest level of safety for finger and hand protection. With protective field heights from 150 mm and variants available in 50 mm increments, the C4-RD is ideally suited for use in applications with small access areas to the hazardous point. The thin, clever holder concepts and absence of blind zones enables seamless integration into machines. The rugged design of C4-RD also ensures high availability, and the standardized connectivity and status LEDs guarantee easy commissioning and diagnostics. With a comprehensive range of safety sensors, safe control solutions and a worldwide service network, SICK is the optimal partner for functional safety.

At a glance

- Protective field heights: 150 mm to 1,200 mm, available in 50 mm increments
- Thin, clever brackets and absence of blind zones
- Rugged housing and high electromagnetic compatibility (EMC)
- Standardized connectivity and status LEDs
- Resolutions: 14 mm and 30 mm
- Typical scanning range: Up to 4.5 m

Your benefits

- Your economic solution for hazardous point protection with the highest level of safety for finger and hand protection
- Tailor-made protective field heights for your applications, ideal for small access areas to the hazardous point, e.g. in the electronics industry
- Easy commissioning and seamless machine integration thanks to the compact design and space-saving mounting
- Increased availability of your plant due to the rugged metal housing and high electromagnetic compatibility

Fields of application

- Machines with small access areas to hazardous point, e.g. in the electronics and solar industry

Ordering information

Other models and accessories → www.sick.com/C4-RD

- **Scanning range:** 4.5 m
- **Resolution:** 14 mm

Protective field height	System part	Type	Part no.
150 mm	Receiver	C4C-EC01510A10000	1112993
	Sender	C4C-SC01510A10000	1112986
200 mm	Receiver	C4C-EC02010A10000	1112994
	Sender	C4C-SC02010A10000	1112987

Protective field height	System part	Type	Part no.
250 mm	Receiver	C4C-EC02510A10000	1112995
	Sender	C4C-SC02510A10000	1112988
300 mm	Receiver	C4C-EC03010A10000	1113205
	Sender	C4C-SC03010A10000	1113196
350 mm	Receiver	C4C-EC03510A10000	1113206
	Sender	C4C-SC03510A10000	1112989
400 mm	Receiver	C4C-EC04010A10000	1113207
	Sender	C4C-SC04010A10000	1112990
450 mm	Receiver	C4C-EC04510A10000	1113208
	Sender	C4C-SC04510A10000	1113197
500 mm	Receiver	C4C-EC05010A10000	1113209
	Sender	C4C-SC05010A10000	1112991
550 mm	Receiver	C4C-EC05510A10000	1113210
	Sender	C4C-SC05510A10000	1112992
600 mm	Receiver	C4C-EC06010A10000	1113211
	Sender	C4C-SC06010A10000	1113198
750 mm	Receiver	C4C-EC07510A10000	1113212
	Sender	C4C-SC07510A10000	1113199
900 mm	Receiver	C4C-EC09010A10000	1113213
	Sender	C4C-SC09010A10000	1113200
1,050 mm	Receiver	C4C-EC10510A10000	1113214
	Sender	C4C-SC10510A10000	1113201
1,200 mm	Receiver	C4C-EC12010A10000	1113215
	Sender	C4C-SC12010A10000	1113202

- **Scanning range:** 4.5 m
- **Resolution:** 30 mm

Protective field height	System part	Type	Part no.
150 mm	Receiver	C4C-EC01530A10000	1113227
	Sender	C4C-SC01530A10000	1113218
200 mm	Receiver	C4C-EC02030A10000	1113228
	Sender	C4C-SC02030A10000	1113219
250 mm	Receiver	C4C-EC02530A10000	1113233
	Sender	C4C-SC02530A10000	1113224
300 mm	Receiver	C4C-EC03030A10000	1113234
	Sender	C4C-SC03030A10000	1113225
350 mm	Receiver	C4C-EC03530A10000	1113235
	Sender	C4C-SC03530A10000	1113226
400 mm	Receiver	C4C-EC04030A10000	1113246
	Sender	C4C-SC04030A10000	1113231

Protective field height	System part	Type	Part no.
450 mm	Receiver	C4C-EC04530A10000	1113247
	Sender	C4C-SC04530A10000	1113232
500 mm	Receiver	C4C-EC05030A10000	1113248
	Sender	C4C-SC05030A10000	1113239
550 mm	Receiver	C4C-EC05530A10000	1113249
	Sender	C4C-SC05530A10000	1113240
600 mm	Receiver	C4C-EC06030A10000	1113238
	Sender	C4C-SC06030A10000	1113241
750 mm	Receiver	C4C-EC07530A10000	1113237
	Sender	C4C-SC07530A10000	1113242
900 mm	Receiver	C4C-EC09030A10000	1113236
	Sender	C4C-SC09030A10000	1113243
1,050 mm	Receiver	C4C-EC10530A10000	1113223
	Sender	C4C-SC10530A10000	1113244
1,200 mm	Receiver	C4C-EC12030A10000	1113222
	Sender	C4C-SC12030A10000	1113245

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