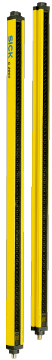


C2000 Cascadable

Increased flexibility with cascadable protection systems

SICK
Sensor Intelligence.



Technical data overview

| | |
|--------------------------------------|---------------------|
| Safety level | PL c, SIL 1, Type 2 |
| Enclosure rating | IP65 |
| Ambient operating temperature | 0 °C ... +55 °C |



Product description

The C2000 Cascadable safety light curtain is a reliable and cost-effective device for hazardous point and area protection. Although the C2000 Cascadable is typically used in less complex applications with few hazards, its robust design and high signal reserve make it suitable for use in harsh industrial environments as well. The cascadable version of the C2000 enables users to flexibly adjust the protective field and reduce cabling requirements. Since the C2000 Cascadable can be adapted to existing applications, the number of safety capable inputs required is reduced. The C2000's 7-segment display is used for fast alignment and easy diagnostics. In addition, sens: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
- Beam coding for correct system allocation
- A wide range of standardized connection and mounting accessories
- Cascade up to three systems

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
- Robust 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 installation
- Cascadability minimizes wiring costs and increases installation flexibility

Fields of application

- Hazardous point protection on machines or systems
- Textile industry
- Machine tools industry
- Material handling equipment

Ordering information

Other models and accessories → www.sick.com/C2000_Cascadable

- **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-030102A21 | 1018072 | C20E-030302A21 | 1018073 |
| | C20S-030202A21 | 1018075 | C20E-030302A21 | 1018073 |
| 450 mm | C20S-045102A21 | 1018078 | C20E-045302A21 | 1018079 |
| | C20S-045202A21 | 1018084 | C20E-045302A21 | 1018079 |
| 600 mm | C20S-060102A21 | 1018055 | C20E-060302A21 | 1018056 |
| | C20S-060202A21 | 1018092 | C20E-060302A21 | 1018056 |
| 750 mm | C20S-075102A21 | 1018095 | C20E-075302A21 | 1018096 |
| | C20S-075202A21 | 1018101 | C20E-075302A21 | 1018096 |
| 900 mm | C20S-090102A21 | 1018104 | C20E-090302A21 | 1018105 |
| | C20S-090202A21 | 1018110 | C20E-090302A21 | 1018105 |
| 1,050 mm | C20S-105102A21 | 1018113 | C20E-105302A21 | 1018114 |
| | C20S-105202A21 | 1018119 | C20E-105302A21 | 1018114 |
| 1,200 mm | C20S-120102A21 | 1018122 | C20E-120302A21 | 1016970 |
| | C20S-120202A21 | 1016964 | C20E-120302A21 | 1016970 |

- **Resolution:** 30 mm

| Housing cross-section | Protective field height | Sender | | Receiver | |
|-----------------------|-------------------------|----------------|----------|----------------|----------|
| | | Type | Part no. | Type | Part no. |
| 34 mm x 29 mm | 300 mm | C20S-030103A21 | 1018074 | C20E-030303A21 | 1016974 |
| | | C20S-030203A21 | 1016968 | C20E-030303A21 | 1016974 |
| | 450 mm | C20S-045103A21 | 1018080 | C20E-045303A21 | 1018081 |
| | | C20S-045203A21 | 1018085 | C20E-045303A21 | 1018081 |
| | 600 mm | C20S-060103A21 | 1018087 | C20E-060303A21 | 1018089 |
| | | C20S-060203A21 | 1018093 | C20E-060303A21 | 1018089 |
| | 750 mm | C20S-075103A21 | 1018097 | C20E-075303A21 | 1018098 |
| | | C20S-075203A21 | 1018102 | C20E-075303A21 | 1018098 |
| | 900 mm | C20S-090103A21 | 1018106 | C20E-090303A21 | 1018107 |
| | | C20S-090203A21 | 1018111 | C20E-090303A21 | 1018107 |
| | 1,050 mm | C20S-105103A21 | 1018115 | C20E-105303A21 | 1018116 |
| | | C20S-105203A21 | 1018120 | C20E-105303A21 | 1018116 |
| | 1,200 mm | C20S-120103A21 | 1018123 | C20E-120303A21 | 1018124 |
| | | C20S-120203A21 | 1018127 | C20E-120303A21 | 1018124 |

| Housing cross-section | Protective field height | Sender | | Receiver | |
|-----------------------|-------------------------|----------------|----------|----------------|----------|
| | | Type | Part no. | Type | Part no. |
| 48 mm x 40 mm | 1,350 mm | C20S-135103A22 | 1018057 | C20E-135303A22 | 1018058 |
| | | C20S-135203A22 | 1018131 | C20E-135303A22 | 1018058 |
| | 1,500 mm | C20S-150103A22 | 1018133 | C20E-150303A22 | 1018134 |
| | | C20S-150203A22 | 1018137 | C20E-150303A22 | 1018134 |
| | 1,650 mm | C20S-165103A22 | 1018139 | C20E-165303A22 | 1018140 |
| | | C20S-165203A22 | 1018143 | C20E-165303A22 | 1018140 |
| | 1,800 mm | C20S-180103A22 | 1018145 | C20E-180303A22 | 1018147 |
| | | C20S-180203A22 | 1018150 | C20E-180303A22 | 1018147 |

• **Resolution:** 40 mm

| Housing cross-section | Protective field height | Sender | | Receiver | |
|-----------------------|-------------------------|----------------|----------------|----------------|----------------|
| | | Type | Part no. | Type | Part no. |
| 34 mm x 29 mm | 300 mm | C20S-030104A21 | 1016967 | C20E-030304A21 | 1016973 |
| | | C20S-030204A21 | 1018077 | C20E-030304A21 | 1016973 |
| | 450 mm | C20S-045104A21 | 1018082 | C20E-045304A21 | 1018083 |
| | | C20S-045204A21 | 1018086 | C20E-045304A21 | 1018083 |
| | 600 mm | C20S-060104A21 | 1018090 | C20E-060304A21 | 1018091 |
| | | C20S-060204A21 | 1018094 | C20E-060304A21 | 1018091 |
| | 750 mm | C20S-075104A21 | 1018099 | C20E-075304A21 | 1018100 |
| | | C20S-075204A21 | 1018103 | C20E-075304A21 | 1018100 |
| | 900 mm | C20S-090104A21 | 1018108 | C20E-090304A21 | 1018109 |
| | | C20S-090204A21 | 1018112 | C20E-090304A21 | 1018109 |
| | 1,050 mm | C20S-105104A21 | 1018117 | C20E-105304A21 | 1018118 |
| | 1,200 mm | C20S-120104A21 | 1018125 | C20E-120304A21 | 1018126 |
| | | C20S-120204A21 | 1018128 | C20E-120304A21 | 1018126 |
| | 48 mm x 40 mm | 900 mm | C20S-090104A22 | 1016548 | C20E-090304A22 |
| 1,350 mm | | C20S-135104A22 | 1018129 | C20E-135304A22 | 1018130 |
| | | C20S-135204A22 | 1018132 | C20E-135304A22 | 1018130 |
| 1,500 mm | | C20S-150104A22 | 1018135 | C20E-150304A22 | 1018136 |
| | | C20S-150204A22 | 1018138 | C20E-150304A22 | 1018136 |
| 1,650 mm | | C20S-165104A22 | 1018141 | C20E-165304A22 | 1018142 |
| | | C20S-165204A22 | 1018144 | C20E-165304A22 | 1018142 |
| 1,800 mm | | C20S-180104A22 | 1018148 | C20E-180304A22 | 1018149 |
| | C20S-180204A22 | 1018151 | C20E-180304A22 | 1018149 | |

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