



S3000 Cold Store

Reliable safety for tough requirements in cold storage

SICK
Sensor Intelligence.



Technical data overview

| | |
|--|-------------------------------------|
| Application | Indoor |
| Protective field range | 7 m |
| Warning field range | 49 m |
| Scanning angle | 180° |
| Number of fields | 12 |
| Number of monitoring cases | 4 |
| Response time | ≤ 120 ms ¹⁾ |
| OSSD pairs | 1 |
| Integration in the control system | Local inputs and outputs (I/O), EFI |
| Safety level | PL d, SIL 2, Type 3 |

¹⁾ Depending on basic response time and multiple sampling.

Product description

The S3000 Cold Store is used to protect people and systems in cold areas as it is designed to withstand temperatures as low as -30 °C. It is suitable for stationary and mobile applications and can be used without any additional measures under the harshest of conditions. Integrated heating and a special housing mean that it complies with the requirements for the IP 67 enclosure rating. Up to four switchable field sets can be programmed. There are two static inputs available for this purpose. The system network of two scanners can also be implemented via the safe bus connection by means of EFI. The integrated EFI interface also allows additional sensor functions. EFI allows up to 4 safety laser scanners to be connected to SICK safety controllers. With an EFI connection the function of simultaneous monitoring of up to four protective fields can be realized.

At a glance

- Designed and certified for temperatures down to -30 °C
- Modified housing with integrated temperature controller
- IP 67 enclosure rating
- 7 m protective field range
- 4 switchable field sets
- Interface (EFI) for reliable SICK device communication
- Selectable resolution for hand, leg or body detection
- Contour as reference for vertical applications

Your benefits

- First safety laser scanner available on the market that can be used at temperatures as low as -30 °C
- Hazard area, hazard point, access or vehicle protection in cold areas
- Large protective field range of 7 m enables a large variety of applications
- Modular expansions, low wiring effort and additional functions such as the simultaneous monitoring of up to four protective fields using a SICK safety controller via EFI
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and availability – even under difficult conditions

Fields of application

- Protection of automated guided vehicles in cold areas down to -30 °C
- Simultaneous protection of up to 4 protective fields in cold areas down to -30 °C
- Access protection at entrances to cold areas down to -30 °C

Ordering information

Other models and accessories → www.sick.com/S3000_Cold_Store

| Protective field range | Number of fields | Type | Part no. |
|------------------------|------------------|-------------|----------|
| 7 m | 12 | S31A-7011CA | 1041648 |

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