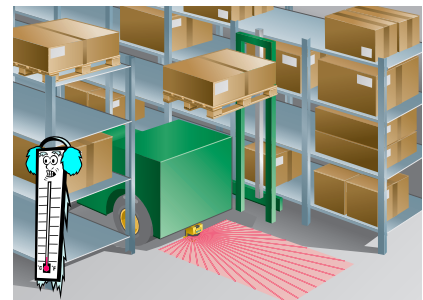# S3000 Cold Store

The safety laser scanner for cold areas

The S3000 Cold Store safety laser scanner provides protection for persons and plant and is particularly suitable for use in cold areas down to –30°C. Both stationary applications (e.g. area or gate protection) and mobile applications (e.g. AGVs) can be implemented. The laser scanner can be used in Category 3 in compliance with EN 954-1 and up to SIL2 according to IEC 61508. The scanner has an IP67 Housing and is equipped with integrated, thermostatically controlled heating. Thus the device requires no additional measures for use.

In addition the scanner, with up to 4 switchable protective fields and intelligent bus connection, offers the maximum possible flexibility.

Special properties:

- Compact IP67 Housing
- Robust device connection on the back, optionally on the side or below
- Comfortable display element for rapid diagnosis
- Separate connection for the internal heating (pre-heating possible before operation)
- Bus or Gateway connection

Areas of use:

- Entry/Exit
- Door and gate protection
- Area protection in cold areas
- AGV protection
- High-bay warehouses
- Narrow aisle
- And many more

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Technical data

Type	S3000
Operating temperature	−30°C … +50°C
Enclosure rating (EN 60529)	IP 65 and IP 67
Type, according to IEC/EN 61496 Part 3	3
Functional safety, IEC/EN 61508	SIL2
Supply voltage, sensor	24 V DC
Current uptake, sensor, without load	0.8 A
Supply voltage, heating	24 V DC
Current uptake, heating, cyclical	5 A
Protective and warning fields (field sets), switchable	4
Static control inputs (field set switching)	2
Scanning angle	180°
Range, protective fields	7 m
Range, warning fields	49 m (20 m/20 %)
Response time, minimum	60 ms
Configuration interface	RS-232
Bus connection via safe communication (EFI)	Yes
Weight	9 kg
Dimensions W x H x D, incl. connection plug (mm)	351 x 265 x 228

Part no.	Product	
1041648	S3000 Cold Store safety laser scanner, incl. connection plug	
2018303	Adjustment bracket	
2019561	RS-232 service cable (configuration cable), pre-assembled	

Dimensional drawings

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