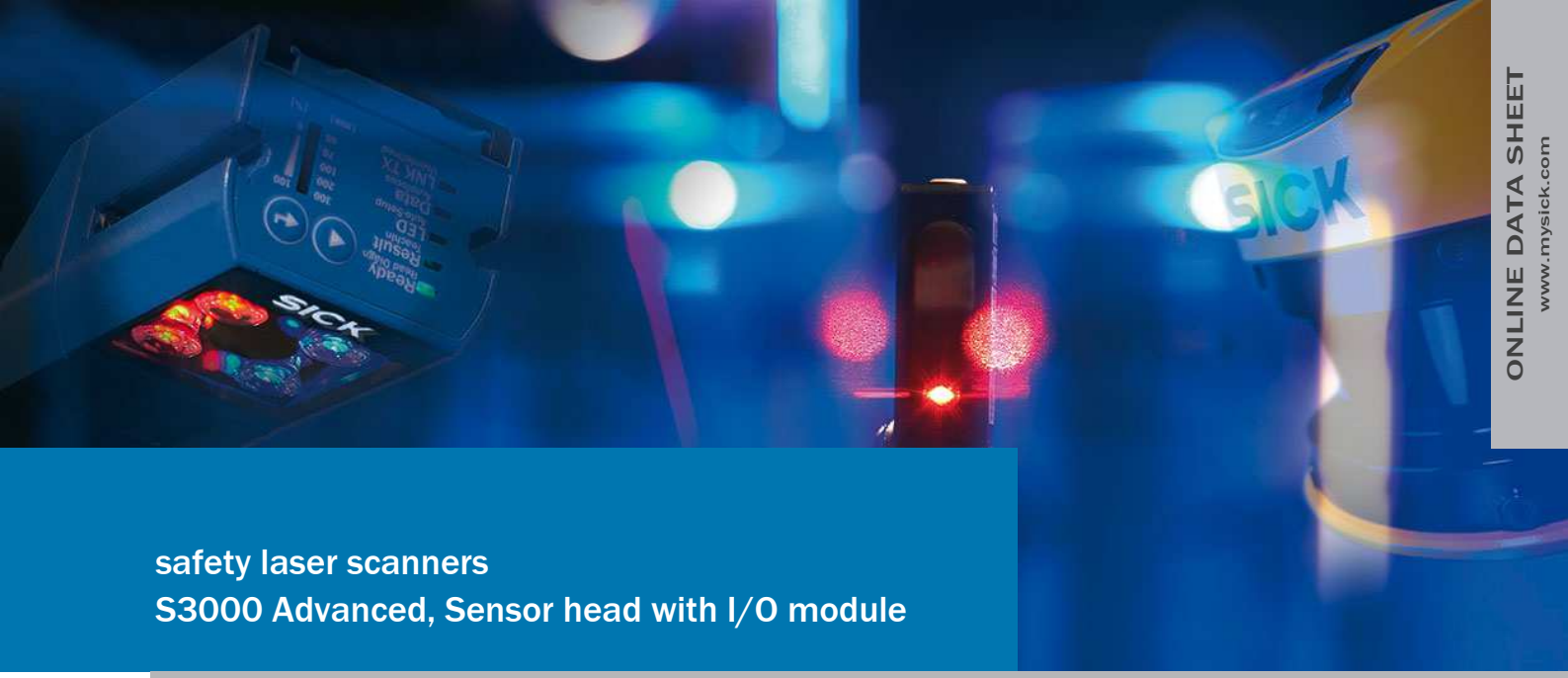


ONLINE DATA SHEET
www.mysick.com

safety laser scanners
S3000 Advanced, Sensor head with I/O module

S30A-6011CA



SICK
Sensor Intelligence.

SICK
Sensor Intelligence.

safety laser scanners
S3000 Advanced, Sensor head with I/O module

Model Name > S30A-6011CA
Part No. > 1023547



At a glance

- 5.5 m protective field range
- 4 switchable field sets
- Configuration memory integrated in the system plug
- EFI interface for safe SICK device communication
- Selectable resolution for hand, leg or body detection
- Simultaneous monitoring of up to 4 protective fields
- Contour as reference for vertical applications
- Integrated external device monitoring (EDM)

Your benefits

- Largest protective field range in the market increases the variety of application possibilities
- Safety engineering - with no loss of productivity
- Quick recommissioning via configuration memory
- Expandable modular system, simple cabling and additional functions such as the simultaneous monitoring of up to four protective fields using SICK safety controllers with EFI
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Decades of proven safety technology guarantee maximum reliability and productivity - even under difficult conditions
- Simple alignment and safe operation in vertical mode



Applications

Hazardous area protection (vertical):	✓
Access protection (vertical):	✓
Hazardous area protection (horizontal):	✓

Functions

Number of simultaneously monitored protective fields:	≤ 4 [1)]
Static protective field switching:	✓
Incremental encoder inputs:	-
External device monitoring (EDM):	✓
Integrated configuration memory:	✓
Expanded measured data output (CMS):	-

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Measured data output:	✓
Safe SICK device communication via EFI/SDL:	✓

[1] If more than one protective field is monitored simultaneously, then the safe output signals must be routed to safe outputs of a Flexi Soft safety controller, or via a safe EFI gateway.

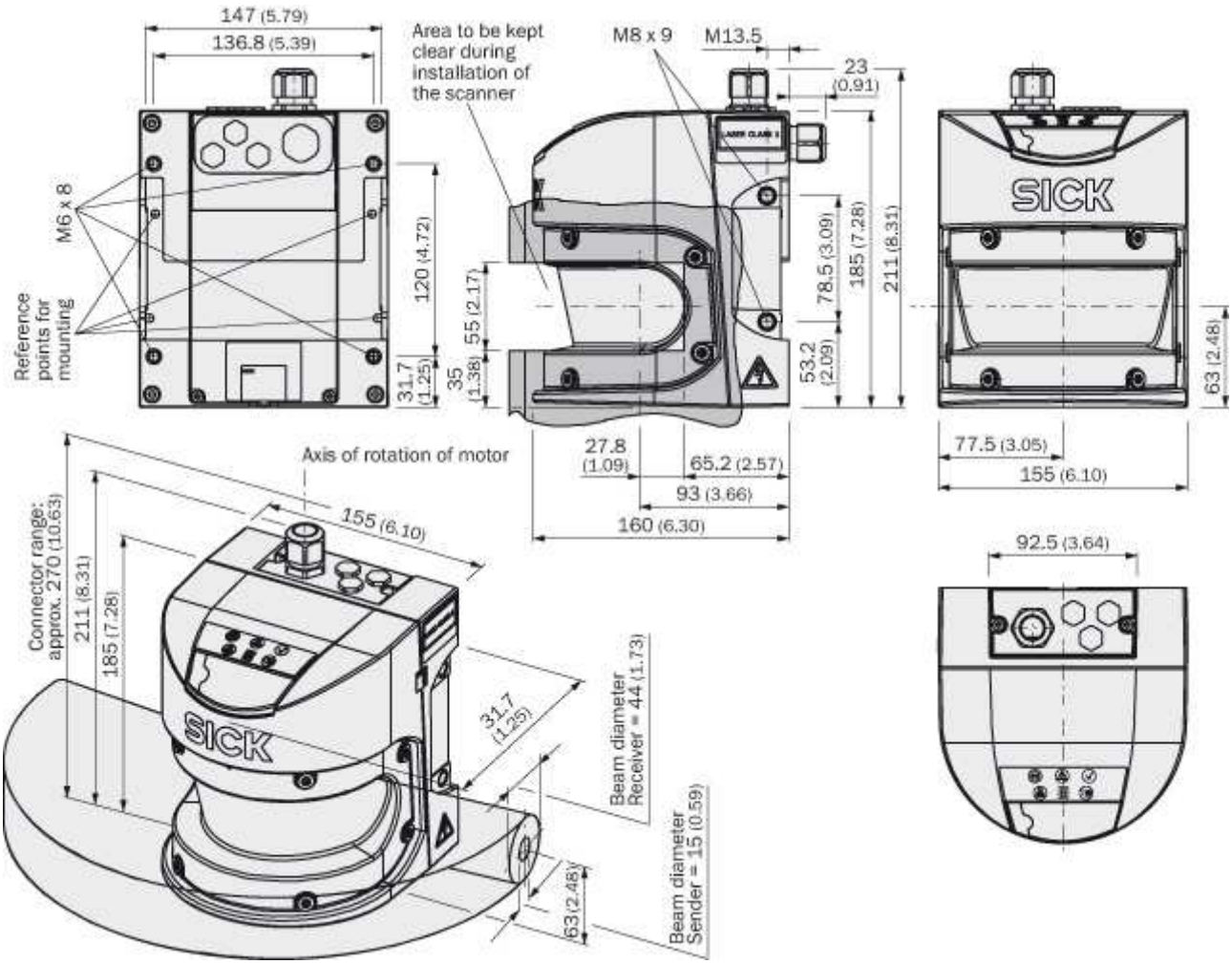
Technical data

Laser class:	1 (21 CFR 1040.10 and 1040.11, DIN EN 60825:2001)
Enclosure rating:	IP 65 (EN 60529)
Protection class:	II (EN 50178)
Type:	Type 3 (IEC 61496)
Safety integrity level:	SIL2 (IEC 61508), SILCL2 (EN 62061)
Category:	Category 3 (EN ISO 13849)
Performance level:	PL d (EN ISO 13849)
PFHd:	8.0 * 1E-08 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Ambient operating temperature:	-10 °C ... +50 °C
Dimensions (W x H x D):	155 mm x 185 mm x 160 mm
Weight:	3.3 kg
Scan angle:	190 °
Protective field range:	5.5 m
Maximum warning field range:	49 m
Number of field sets:	4
Type of field set:	Dual field sets, Triple field sets
Number of monitoring cases:	4
Response time:	60 ms [1]
Resolution:	30 mm, 40 mm, 50 mm, 70 mm, 150 mm, configurable
Distance measuring range:	49 m
Number of multiple samplings:	Configurable 2 ... 16
Electrical connection:	System plug with or without connecting cable
Supply voltage:	16.8 V DC, 24 V DC, 28.8 V DC
Number of EDM inputs:	1
Number of reset-/restart inputs:	1
Number of static control inputs:	2
Number of static control inputs with EFI:	5 [2]
Number of safe outputs:	2, Safety outputs (OSSD)
Number of application diagnostic outputs:	3 [3]
Maximum output current:	500 mA
Configuration and diagnostics interface:	RS-232
Data interface:	RS-422

[1] Depending on basic response time and multiple sampling [2] In combination with an EFI device (Flexi Soft or EFI gateway) five static control inputs are available. Otherwise two. [3] Freely programmable, e.g., warning field, contamination, reset required

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Dimensional drawing



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