



Safety laser scanners S300 Standard, Laser scanner

S30B-2011BA



Model Name > [S30B-2011BA](#)
Part No. > [1026820](#)



At a glance

- Extremely compact design
- 1 freely configurable protective/warning field
- 2 m protective field range
- 270° scan angle
- Configuration memory in the system plug
- Vertical and horizontal safeguarding
- Selectable resolutions

Your benefits

- Compact design for easy integration
- Flexible safety solution for individual application integration
- Economical unbeatable, thanks to superior 270° scan angle
- A configuration memory ensures less downtime fast commissioning after devices are replaced
- Unbeatable flexibility when combined with safety controllers from SICK



Applications

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

Functions

Static control outputs for switching between warning fields:	-
Incremental encoder inputs:	-
External device monitoring:	✓
Integrated configuration memory:	✓
Reflector mark detection:	-
Expanded measured data output:	-
Safe device communication via EFI/SDL:	-

Technical data

Laser protection class:	1 (21 CFR 1040.10 und 1040.11, IEC 60825-1:2001)
Enclosure rating:	IP 65 (EN 60529)
Protection class:	II (EN 50178)

Type:	Type 3 (IEC/EN 61496-3)
Safety integrity level:	SIL2 (IEC 61508), SILCL2 (EN 62061)
Category:	Category 3 (EN ISO 13849)
Performance level:	PL d (EN ISO 13849)
PFHd:	5.29 * 1E-08
TM (Mission Time):	20 a
Ambient operating temperature from ... to:	-10 °C ... 50 °C
Dimensions (W x H x D):	102 mm x 152 mm x 105 mm
Weight:	1.2 kg
Scan angle:	270 °
Protective field range:	2 m
Maximum warning field range:	8 m
Number of field sets:	1
Response time:	80 ms
Resolution:	30 mm, 40 mm, 50 mm, 70 mm, selectable
Distance measuring range:	30 m
Number of multiple samplings:	Configurable via CDS 2 ... 16
Electrical connection:	Plug-in connection housing with screw, Screw-type terminals
Supply voltage:	16.8 V DC, 24 V DC, 30 V DC
Number of EDM inputs:	1
Number of reset-/restart inputs:	1
Number of stand-by inputs:	1
Number of safe outputs:	2, Safety outputs (OSSD)
Number of warning field outputs:	1
Number of application diagnostic outputs:	≤ 1
Maximum output current:	250 mA
Configuration and diagnostics interface:	RS-232

Dimensional drawing

