



safety laser scanners S300 Mini Remote, Laser scanner

S32B-3011EA



Model Name > [S32B-3011EA](#)
Part No. > [1056431](#)



At a glance

- Can only be used in EFI system network, e.g., with a Flexi Soft safety controller or another safety laser scanner
- Very compact design
- 3 m protective field range
- 270° scan angle
- Up to 16 switchable field sets
- Selectable resolution for hand, leg or body detection
- Extended system solutions in combination with Flexi Soft safety controller

Your benefits

- Simple integration due to ultracompact design
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Unbeatable cost-effectiveness - 270° scan angle allows complete application protection with only two scanners
- Variety of field sets guarantees safety and productivity when protecting vehicles or moving machine parts
- Easy modular expansions, simple cabling and additional functions using SICK safety controllers with EFI
- Decades of proven safety technology guarantee maximum reliability and availability - 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

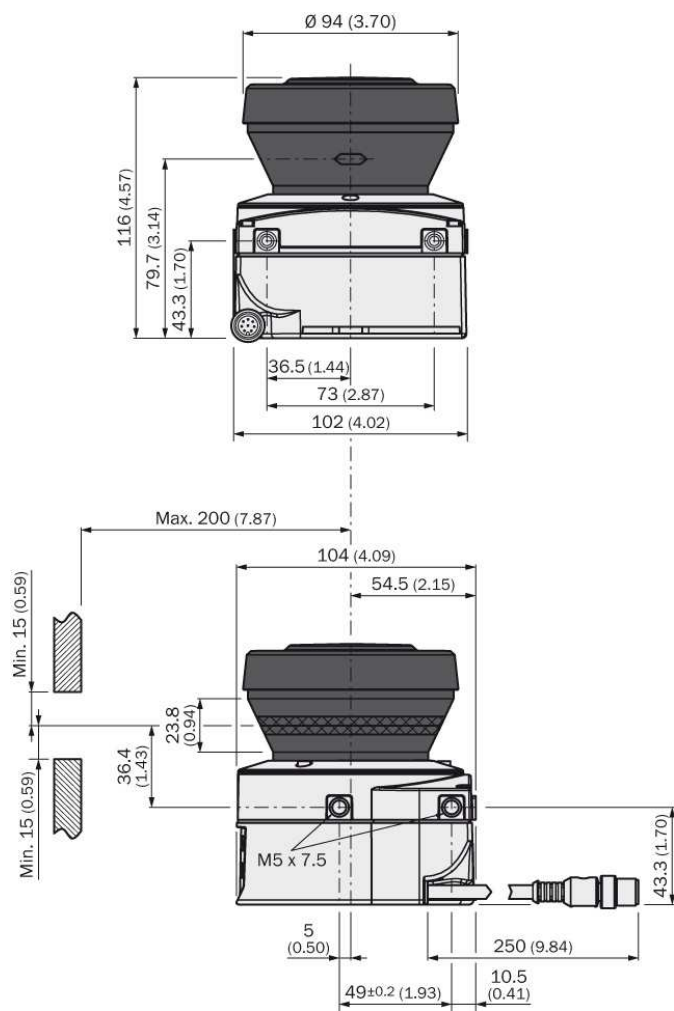
Static protective field switching:	✓
Incremental encoder inputs:	✓
External device monitoring (EDM):	-
Integrated configuration memory:	-
Expanded measured data output (CMS):	-
Measured data output:	-
Safe SICK device communication via EFI/SDL:	✓

Technical data

Laser class:	1 (21 CFR 1040.10 and 1040.11, DIN EN 60825:2001)
Enclosure rating:	IP 65 (EN 60529)
Protection class:	III (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):	102 mm x 116 mm x 105 mm
Weight:	0.8 kg, without connecting cables
Scan angle:	270 °
Protective field range:	3 m
Maximum warning field range:	8 m
Number of field sets:	16
Type of field set:	Triple field sets
Response time:	80 ms ¹⁾
Resolution:	30 mm, 40 mm, 50 mm, 70 mm, 150 mm, configurable
Distance measuring range:	30 m
Number of multiple samplings:	Configurable 2 ... 16
Electrical connection:	Cable, 250 mm, with male connector M12, 7-pin
Supply voltage:	16.8 V DC, 24 V DC, 30 V DC
Number of static control inputs with EFI:	5 ²⁾
Number of stand-by inputs:	1 ³⁾
Number of outputs:	Depends on the configuration of the connected EFI device
Configuration and diagnostics interface:	RS-232

¹⁾ Depending on basic response time and multiple sampling ^{2) 3)} Can only be used in EFI system network, e.g., with a Flexi Soft safety controller or another S300 or

S3000 safety laser scanner



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