



Safety laser scanners S3000, Sensor head

S30A-4011

Model Name > [S30A-4011](#)
Part No. > [2034999](#)

Applications

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

Functions

Number of simultaneously monitored protective fields:	≤ 4 ¹⁾
External device monitoring (EDM):	✓
Integrated configuration memory:	✓

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 protection 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/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:	$8.0 \cdot 10^{-8}$ (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Ambient operating temperature from ... to:	-10 °C ... 50 °C
Scan angle:	190 °
Protective field range:	4 m
Response time:	60 ms, 120 ms ¹⁾

¹⁾ Depending on basic response time and multiple sampling

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