



safety laser scanners
S3000 Standard, I/O module

S30A-XXXXBA



Model Name > S30A-XXXXBA
Part No. > 2026801



Applications

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

Functions

Number of simultaneously monitored protective fields:	≤ 4 ¹⁾
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:	✓

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

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
Response time:	60 ms ¹⁾
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 safe outputs:	2, Safety outputs (OSSD)
Number of application diagnostic outputs:	3 ²⁾
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) Freely programmable, e.g., warning field, contamination, reset required

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