



safety laser scanners
S3000 Advanced, I/O module

S30A-XXXXCA



Model Name > S30A-XXXXCA
Part No. > 2026802



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 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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