



safety laser scanners  
S3000 Expert, I/O module

S30A-XXXXGB



**Model Name** > S30A-XXXXGB  
**Part No.** > 2057645



### Applications

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

### Functions

Number of simultaneously monitored protective fields:	≤ 4 <sup>1)</sup>
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:	✓

<sup>1)</sup> 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 <sup>1)</sup>
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:	4
Number of static control inputs with EFI:	5 <sup>2)</sup>
Number of dynamic control inputs:	2 <sup>3)</sup>
Number of safe outputs:	2, Safety outputs (OSSD)
Number of application diagnostic outputs:	3 <sup>4)</sup>
Maximum output current:	500 mA
Configuration and diagnostics interface:	RS-232

Data interface:

RS-422

<sup>1)</sup> Depending on basic response time and multiple sampling <sup>2)</sup> In combination with an EFI device (Flexi Soft or EFI gateway) five static control inputs are available. Otherwise four. <sup>3)</sup> Two of the static switching signals can be used either as dynamic or as static switching signals. <sup>4)</sup> Freely programmable, e.g., warning field, contamination, reset required

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