



## 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, RS-422):	✓
Measured data output (RS-422):	✓
Safe 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/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 * 1E-08 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Ambient operating temperature from ... to:	-10 °C ... 50 °C
Response time:	60 ms, 120 ms <sup>1)</sup>
Electrical connection:	Plug-in connection housing with screw, screw-type terminals
Supply voltage:	16.8 V DC, 24 V DC, 28.8 V DC
Number of EDM inputs:	1
Number of reset-/restart 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

1) Depending on basic response time and multiple sampling 2) Via EFI, only in combination with a Flexi Soft safety controller or EFI gateways 3) Two of the static switching signals can be used either as dynamic or as static switching signals. 4) Freely programmable, e.g., warning field, contamination, reset required

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