



Safety laser scanners S3000 Professional, I/O module

S30A-XXXXDA



Model Name > S30A-XXXXDA
Part No. > 2022827



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, RS-422):	-
Measured data output (RS-422):	✓
Safe 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/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 ¹⁾
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 ²⁾
Number of dynamic control inputs:	2 ³⁾
Number of safe outputs:	2, Safety outputs (OSSD)
Number of application diagnostic outputs:	3 ⁴⁾
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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