



Laserowe systemy bezpieczeństwa S300 Professional, Laser scanner

S30B-3011DA



Nazwa modelu > **S30B-3011DA**

Numer części > **1056429**



At a glance

- Compact design
- 3 m protective field range
- 270° scan angle
- 8 switchable field sets
- Configuration memory integrated in the system plug
- EFI interface for safe SICK device communication
- Incremental encoder inputs for speed-dependent field switching
- Measured data output via RS-422

Your benefits

- Simple integration due to compact design
- Unbeatable cost-effectiveness - 270° scan angle allows complete application protection with only two scanners
- Easy installation, commissioning and maintenance for stationary and mobile applications
- Variety of field sets guarantees safety and productivity when protecting vehicles or moving machine parts
- Quick recommissioning via configuration memory
- Easy modular expansions, simple cabling and additional functions using SICK safety controllers with EFI
- The correct protective field at any speed avoids unnecessary stops.
- Personnel protection and navigation support in one device



Zastosowania

- Zabezpieczenie obszaru niebezpiecznego (pionowe): ✓
Zabezpieczenie dostępu (pionowe): ✓
Zabezpieczenie obszaru niebezpiecznego (poziome): ✓

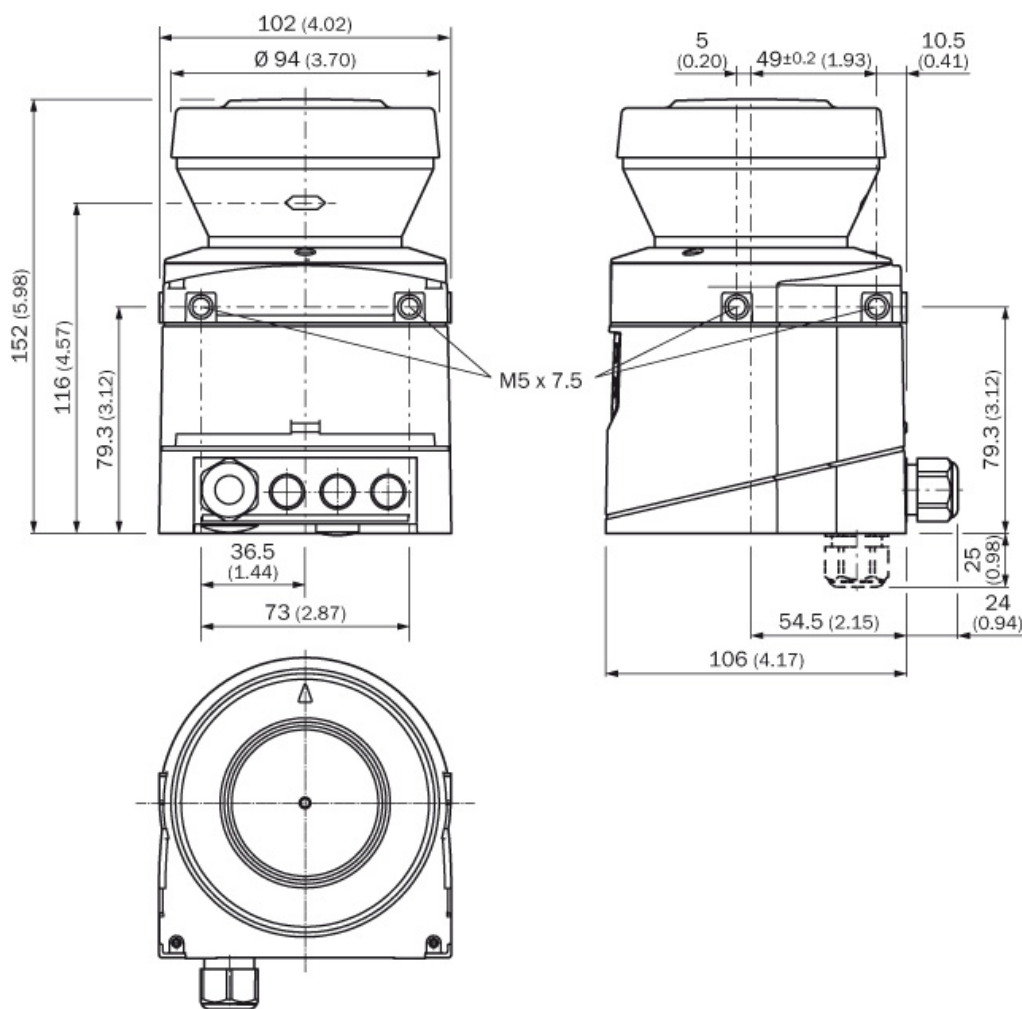
Funkcje

- | | |
|--------------------------------------|---|
| Static protective field switching: | ✓ |
| Incremental encoder inputs: | ✓ |
| Kontrola styków zewnętrznych: | ✓ |
| Integrated configuration memory: | ✓ |
| Expanded measured data output (CMS): | - |
| Measured data output: | ✓ |

Dane techniczne

Klasa lasera:	1 (21 CFR 1040.10 and 1040.11, IEC 60825-1)
Rodzaj zabezpieczenia:	IP 65 (EN 60529)
Klasa ochronności:	III (EN 50178)
Typ:	Type 3 (IEC 61496)
Poziom bezpieczeństwa funkcjonalnego:	SIL2 (IEC 61508), SILCL2 (EN 62061)
Kategoria:	Kategoria 3 (EN ISO 13849)
Performance Level:	PL d (EN ISO 13849)
PFHd:	8,0 * 1E-08 (EN ISO 13849)
TM (Czas użytkowania):	20 a (EN ISO 13849)
Temperatura pracy:	-10 °C ... +50 °C
Wymiary (Szer. x Wys. x Głęb.):	102 mm x 152 mm x 106 mm
Ciężar:	1,2 kg
Scan angle:	270 °
Protective field range:	3 m
Maximum warning field range:	8 m
Liczba dostępnych obszarów:	8
Type of field set:	Triple field sets
Number of monitoring cases:	32
Czas reakcji:	80 ms ¹⁾
Rozdzielczość:	30 mm, 40 mm, 50 mm, 70 mm, 150 mm, konfigurowalny
Distance measuring range:	30 m
Number of multiple samplings:	Configurable 2 ... 16
Podłączenia elektryczne:	System plug with or without connecting cable
Napięcie zasilania:	16,8 V DC, 24 V DC, 30 V DC
Number of universal I/Os:	5 ²⁾
Number of EDM inputs:	1 ³⁾
Number of reset-/restart inputs:	1 ⁴⁾
Number of static control inputs:	3 ⁵⁾
Number of static control inputs with EFI:	5 ⁶⁾
Number of dynamic control inputs:	2 ⁷⁾
Number of stand-by inputs:	1
Liczba wyjść bezpieczeństwa:	2, Urządzenia przełączające sygnał wyjściowy (OSSD)
Number of application diagnostic outputs:	3 ⁸⁾
Maximum output current:	250 mA
Configuration and diagnostics interface:	RS-232
Interfejs danych:	RS-422

¹⁾ Depending on basic response time and multiple sampling ²⁾ Freely programmable, e.g., input external device monitoring, input reset, contamination warning, reset required ^{3) 4)} Availability depends on the configuration of the universal I/Os ⁵⁾ 2+1; additional input only available if reset and reset required are not used. ⁶⁾ In combination with an EFI device (Flexi Soft or EFI gateway) five static control inputs are available. Otherwise three. ⁷⁾ Two of the static switching signals can be used either as dynamic or as static switching signals. ⁸⁾ Freely programmable, e.g., warning field, contamination, reset required



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