S30A-XXXXBA

S3000 Standard

SAFETY LASER SCANNERS

SICK
Sensor Intelligence.

S30A-XXXXBA | S3000 Standard

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Ordering information

Type	Part no.
S30A-XXXXBA	2026801

Other models and accessories ➜ www.sick.com/S3000_Standard

Detailed technical data

Features

Number of simultaneously monitored protective fields	≤ 4 [1]
Angular resolution	Depending on range and resolution
Response time	60 ms [2]

[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.
[2] Depending on basic response time and multiple sampling.

Safety-related parameters

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)
PFH_D (mean probability of a dangerous failure per hour)	8.0×10^{-8} (EN ISO 13849)
T_M (mission time)	20 years (EN ISO 13849)

Functions

External device monitoring (EDM)	✓
Integrated configuration memory	✓
Measured data output	✓
Safe SICK device communication via EFI	✓

Electrical data

Protection class	II (EN 50178)
Supply voltage V_s	24 V DC (16.8 V DC … 28.8 V DC)
Power consumption	≤ 0.8 A [1] ≤ 2.3 A [2]

[1] At 24 V DC without output load.
[2] At 24 V DC including maximum output load.
[3] Freely programmable, e.g. warning field, contamination, reset required.

Outputs	
Safety outputs (OSSD)	2 x 500 mA
Diagnostic outputs	3 x 100 mA [3]

[1] At 24 V DC without output load.

[2] At 24 V DC including maximum output load.

[3] Freely programmable, e.g. warning field, contamination, reset required.

Ambient data

Enclosure rating	IP65 (EN 60529)
Ambient operating temperature	–10 °C ... +50 °C
Storage temperature	–25 °C ... +50 °C
Vibration resistance	5 g, 10 Hz ... 150 Hz (IEC 61496-1, IEC 61496-3)
Shock resistance	10 g, 16 ms (IEC 61496-1, IEC 61496-3)

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

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