

EOS4 301 A

Order Code: **1310001**

Finger Detection Safety Light Curtain with Automatic Restart



Safety level

Type 4 - PL e

Protected height (mm)

310

Resolution (mm)

14

Max. range (m)

6

Restart

Automatic

Functioning system

Emitter / Receiver

Technical Description

Compact Safety Light Curtain: Type 4, SIL 3, SILCL 3, PL e, Cat. 4

Cross Section: 28 x 30 mm

No blind area on one side

Hardware configuration: no programming necessary, easy to install and replace

Connection and configuration through M12 connectors

Unshielded cables up to 100 m can be used to connect the Safety Light Curtain

What's in the Box: Emitter, Receiver and Standard Fastening Brackets

Features

Safety level	Type 4 - PL e
Protected height (mm)	310
Resolution (mm)	14
Controlled height (mm)	300
Max. range (m)	6
Restart	Automatic
Functioning system	Emitter / Receiver
Safety level (SIL / PL)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
Operating temperature (°C)	- 20 ... 55
Response time (ms)	5,5
Number of beams	30
Max. length of the connection cables (m)	100
Signalling	LEDs for light curtain's status and diagnostics
Safety output type	2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and reverse polarity
Connections	M12 5-pole connectors
MTTFD (ISO13849) years	476,4
PFHD (IEC 61508)	1,24E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	With external module
Detection	Finger
Operating Range (m)	Selectable: 0 ... 3 m - low range / 1 ... 6 m - h range

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Protective enclosures	None
Packaging dimensions HxLxW (mm)	105 x 440 x 160
Product class	B
Custom tariff	85365019

Electrical data

Power supply (VDC)	24 $\pm$ 20%
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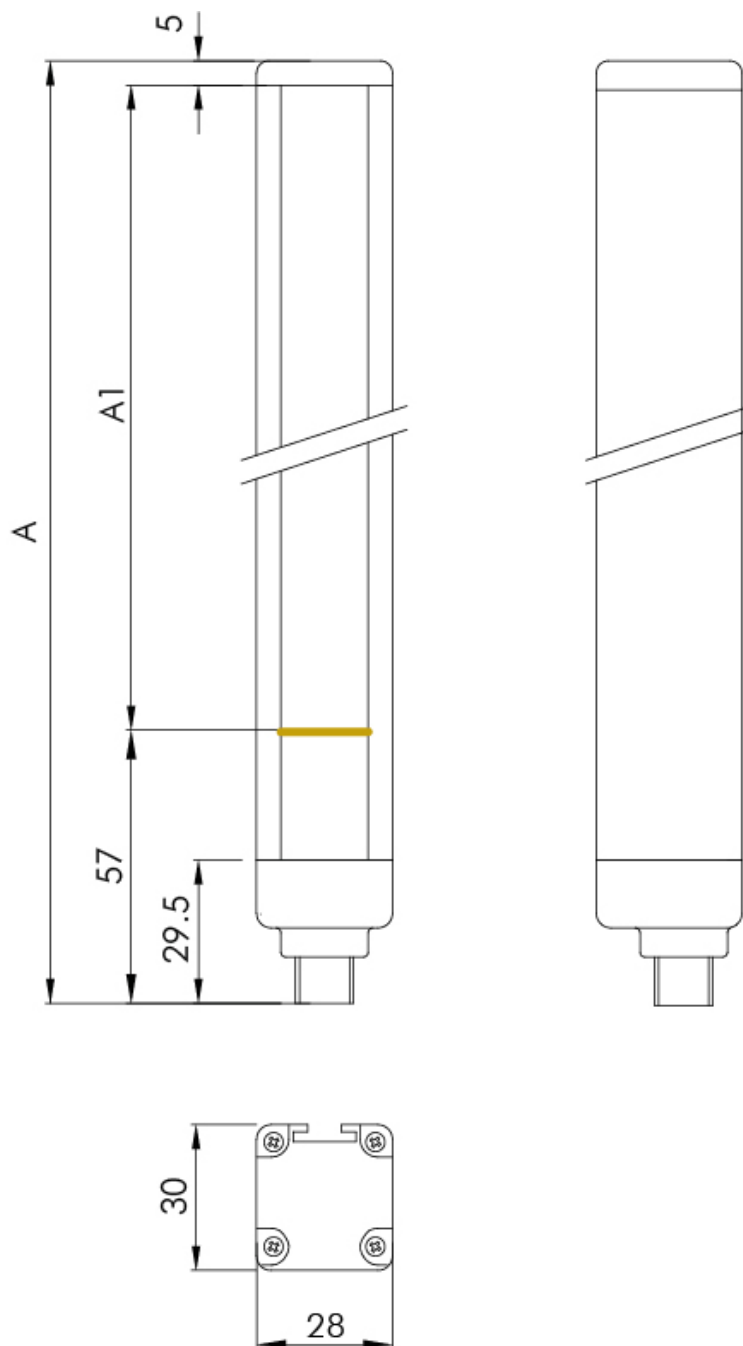
Mechanical data

Overall height (mm)	363
Cross section dimensions (mm)	28 x 30
Degree of protection	IP65 - IP67
Fastening	Back slot with set of LE type brackets (included) or to the top and lower end with swivel brackets SFB E (optional)

Technical drawings

A1 (Controlled height) = 300 mm

A (Overall height) = 363 mm



Certificates

