

## **EOS2 1805 A**

Order Code: 1320471

Body Detection Safety Light Curtain with Automatic Restart



**Safety level**

Type 2 - PL c

**Protected height (mm)**

1810

**Resolution (mm)**

50

**Max. range (m)**

12

**Restart**

Automatic

**Functioning system**

Emitter / Receiver

## **Technical Description**

Compact Safety Light Curtain: Type 2, SIL 1, SILCL 1, PL c, Cat. 2

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 2 - PL c   |
| Protected height (mm)                       | 1810  |
| Resolution (mm)                             | 50  |
| Controlled height (mm)                      | 1800  |
| Max. range (m)                              | 12  |
| Restart                                     | Automatic   |
| Functioning system                          | Emitter / Receiver  |
| Safety level (SIL / PL)                     | Type 2 - SIL 1 - SILCL 1 - PL c - Cat. 2  |
| Operating temperature (°C)                  | - 30 ... 55   |
| Response time (ms)                          | 13  |
| Number of beams                             | 48  |
| Max. length of the connection<br>cables (m) | 100 (50 between Master and Slave)   |
| 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                      | 188,9   |
| PFHD (IEC 61508)                            | 5,74E-08  |
| Safety outputs                              | 2 OSSD PNP (400 mA at 24 VDC)   |
| Safety functions                            | With external module  |
| Detection                                   | Body  |
| Protective enclosures                       | None  |

## EOS2 1805 A

Packaging dimensions HxLxW 145 x 1920 x 200

(mm)

Product class C

Custom tariff 85365019

## Electrical data

Power supply (VDC) 24 ± 20%

## Mechanical data

Overall height (mm) 1863

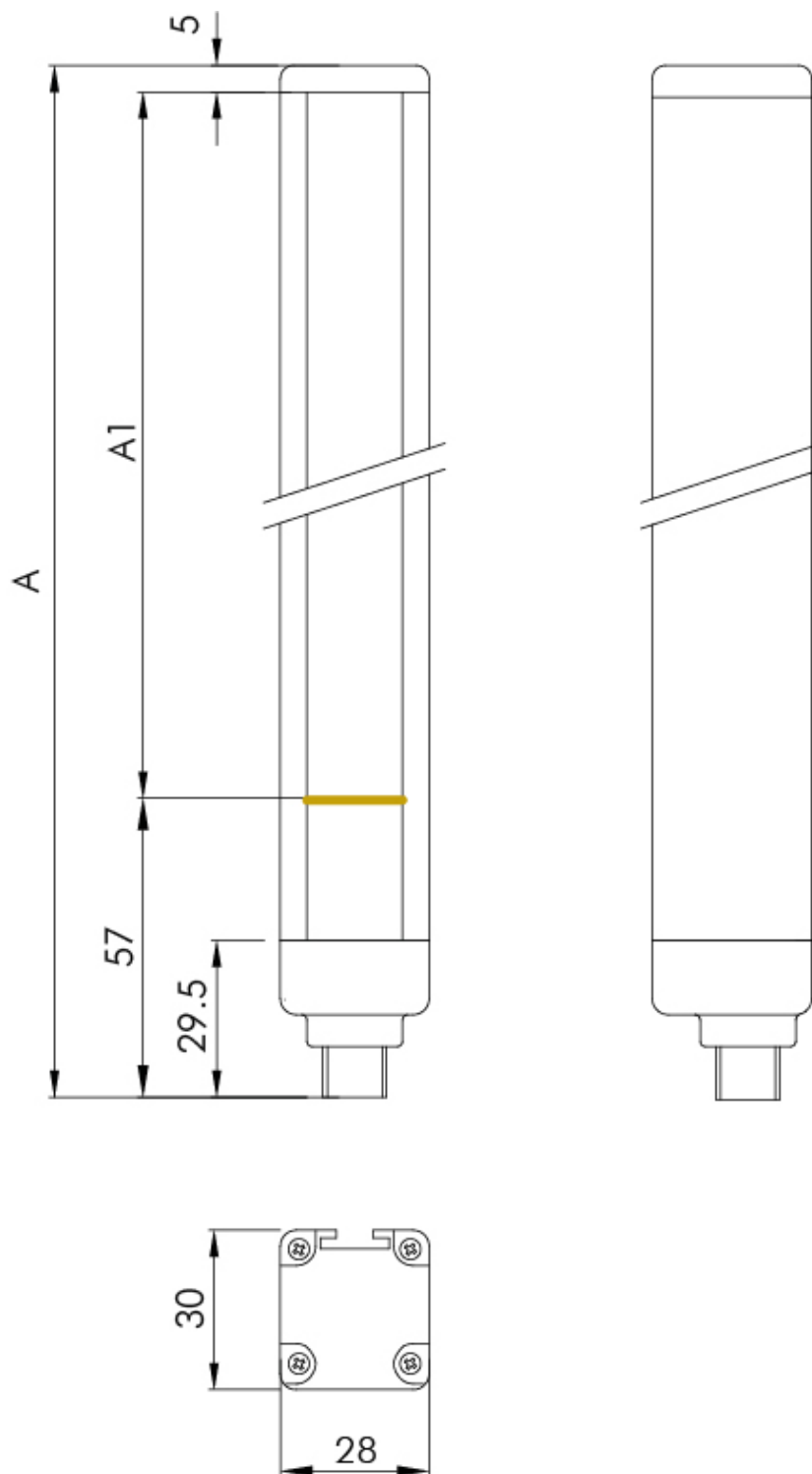
Cross section dimensions (mm) 28 x 30

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)

Gross weight (g) 5638,76

Technical drawings



**Certificates**

