

## **EOS2 1959 X**

Order Code: **1320793**

Body Detection Safety Light Curtain with Automatic/Manual Restart and EDM



**Safety level**

Type 2 - PL c

**Protected height (mm)**

1960

**Resolution (mm)**

90

**Max. range (m)**

12

**Restart**

Built-in - User selectable  
automatic or manual

**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)                       | 1960                                                                                                       |
| Resolution (mm)                             | 90                                                                                                         |
| Controlled height (mm)                      | 1950                                                                                                       |
| Max. range (m)                              | 12                                                                                                         |
| Restart                                     | Built-in - User selectable automatic or manual                                                             |
| 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)                          | 8                                                                                                          |
| Number of beams                             | 26                                                                                                         |
| 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<br>short circuit, overload and reverse polarity |
| Connections                                 | M12 5-pole connector (emitter), M12 8-pole connector<br>(receiver)                                         |
| MTTFD (ISO13849) years                      | 246,8                                                                                                      |
| PFHD (IEC 61508)                            | 4,32E-08                                                                                                   |
| Safety outputs                              | 2 OSSD PNP (400 mA at 24 VDC)                                                                              |
| Safety functions                            | Integrated                                                                                                 |
| Detection                                   | Body                                                                                                       |

## EOS2 1959 X

|                                    |                  |
|------------------------------------|------------------|
| Protective enclosures              | None             |
| Packaging dimensions HxLxW<br>(mm) | 145 x 2070 x 200 |
| Product class                      | C                |
| Custom tariff                      | 85365019         |

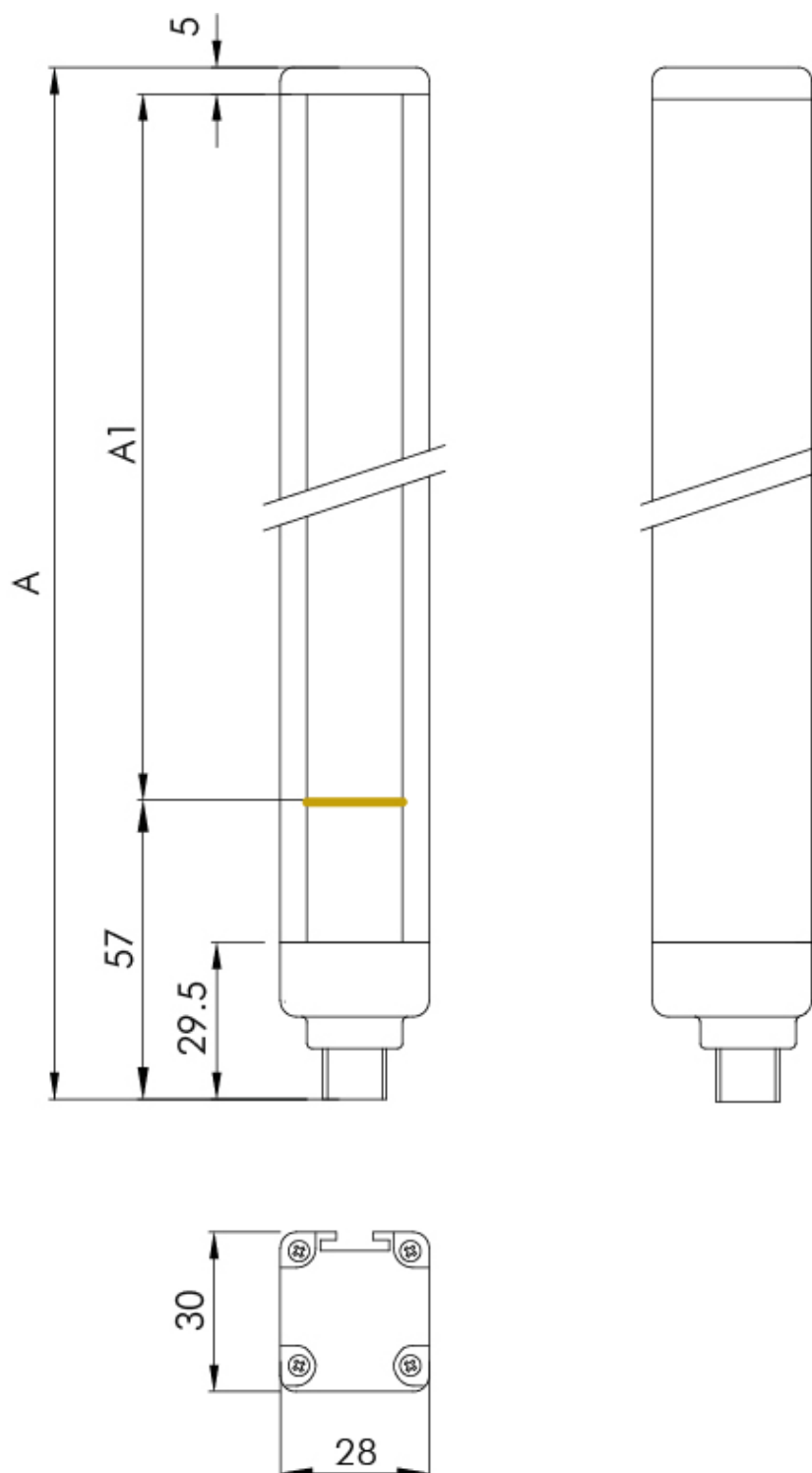
## Electrical data

|                    |          |
|--------------------|----------|
| Power supply (VDC) | 24 ± 20% |
|--------------------|----------|

## Mechanical data

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Overall height (mm)           | 2013                                                                                                                |
| 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)              | 5991,26                                                                                                             |

## Technical drawings



## Certificates

