

## EOS4 1059 XS2

Order Code: 1310546

Body Detection Safety Light Curtain for Cascading Connection with Automatic/Manual Restart and EDM (Secondary Slave)



**Safety level**

Type 4 - PL e

**Protected height (mm)**

1060

**Resolution (mm)**

90

**Max. range (m)**

12

**Restart**

Built-in - User selectable  
automatic or manual

**Functioning system**

Emitter / Receiver

**Master Slave Models**

yes

## 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)                       | 1060                                                                                                       |
| Resolution (mm)                             | 90                                                                                                         |
| Controlled height (mm)                      | 1050                                                                                                       |
| Max. range (m)                              | 12                                                                                                         |
| Restart                                     | Built-in - User selectable automatic or manual                                                             |
| Functioning system                          | Emitter / Receiver                                                                                         |
| Master Slave Models                         | yes                                                                                                        |
| Safety level (SIL / PL)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                   |
| Operating temperature (°C)                  | - 30 ... 55                                                                                                |
| Response time (ms)                          | See technical manual                                                                                       |
| Number of beams                             | 14                                                                                                         |
| 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 connectors                                                                                      |
| MTTFD (ISO13849) years                      | 365,3                                                                                                      |
| PFHD (IEC 61508)                            | 1,06E-08                                                                                                   |
| Safety outputs                              | 2 OSSD PNP (400 mA at 24 VDC)                                                                              |
| Safety functions                            | Integrated                                                                                                 |
| Detection                                   | Body                                                                                                       |

**EOS4 1059 XS2**

|                       |      |
|-----------------------|------|
| Protective enclosures | None |
|-----------------------|------|

|                                    |           |
|------------------------------------|-----------|
| Packaging dimensions HxLxW<br>(mm) | 0 x 0 x 0 |
|------------------------------------|-----------|

|               |   |
|---------------|---|
| Product class | C |
|---------------|---|

|               |          |
|---------------|----------|
| Custom tariff | 85365019 |
|---------------|----------|

## Electrical data

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

## Mechanical data

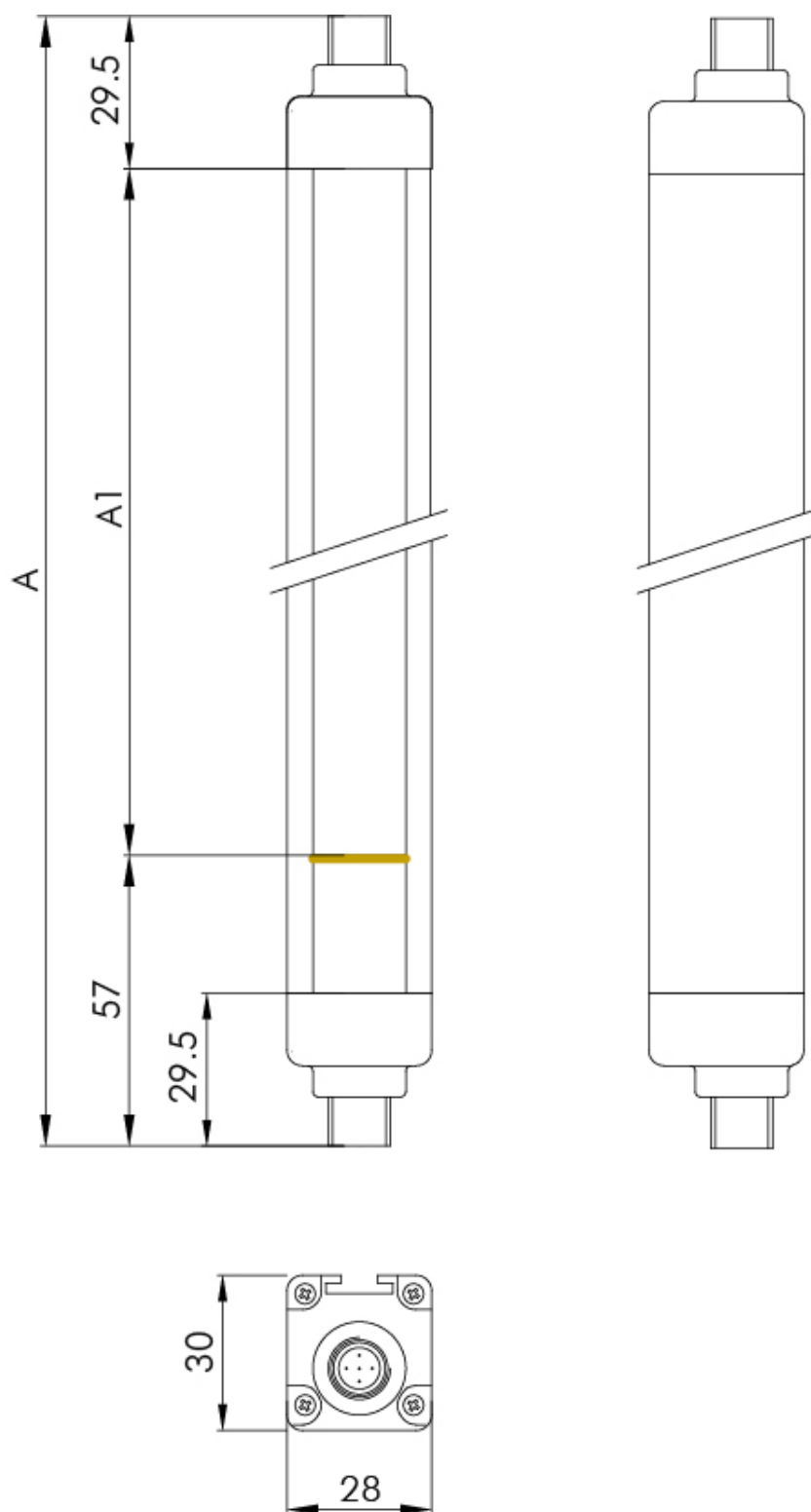
|                     |        |
|---------------------|--------|
| Overall height (mm) | 1136,5 |
|---------------------|--------|

|                               |         |
|-------------------------------|---------|
| 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



## Certificates

