

## **EOS4 459 XM**

Order Code: **1310522**

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



**Safety level**

Type 4 - PL e

**Protected height (mm)**

460

**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)                       | 460                                                                                                     |
| Resolution (mm)                             | 90                                                                                                      |
| Controlled height (mm)                      | 450                                                                                                     |
| 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                             | 6                                                                                                       |
| 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 connector (emitter), M12 8-pole connector (receiver)                                         |
| MTTFD (ISO13849) years                      | 514,4                                                                                                   |
| PFHD (IEC 61508)                            | 8,63E-09                                                                                                |
| Safety outputs                              | 2 OSSD PNP (400 mA at 24 VDC)                                                                           |
| Safety functions                            | Integrated                                                                                              |

## EOS4 459 XM

|                                    |                 |
|------------------------------------|-----------------|
| Detection                          | Body            |
| Protective enclosures              | None            |
| Packaging dimensions HxLxW<br>(mm) | 145 x 550 x 200 |
| Product class                      | C               |
| Custom tariff                      | 85365019        |

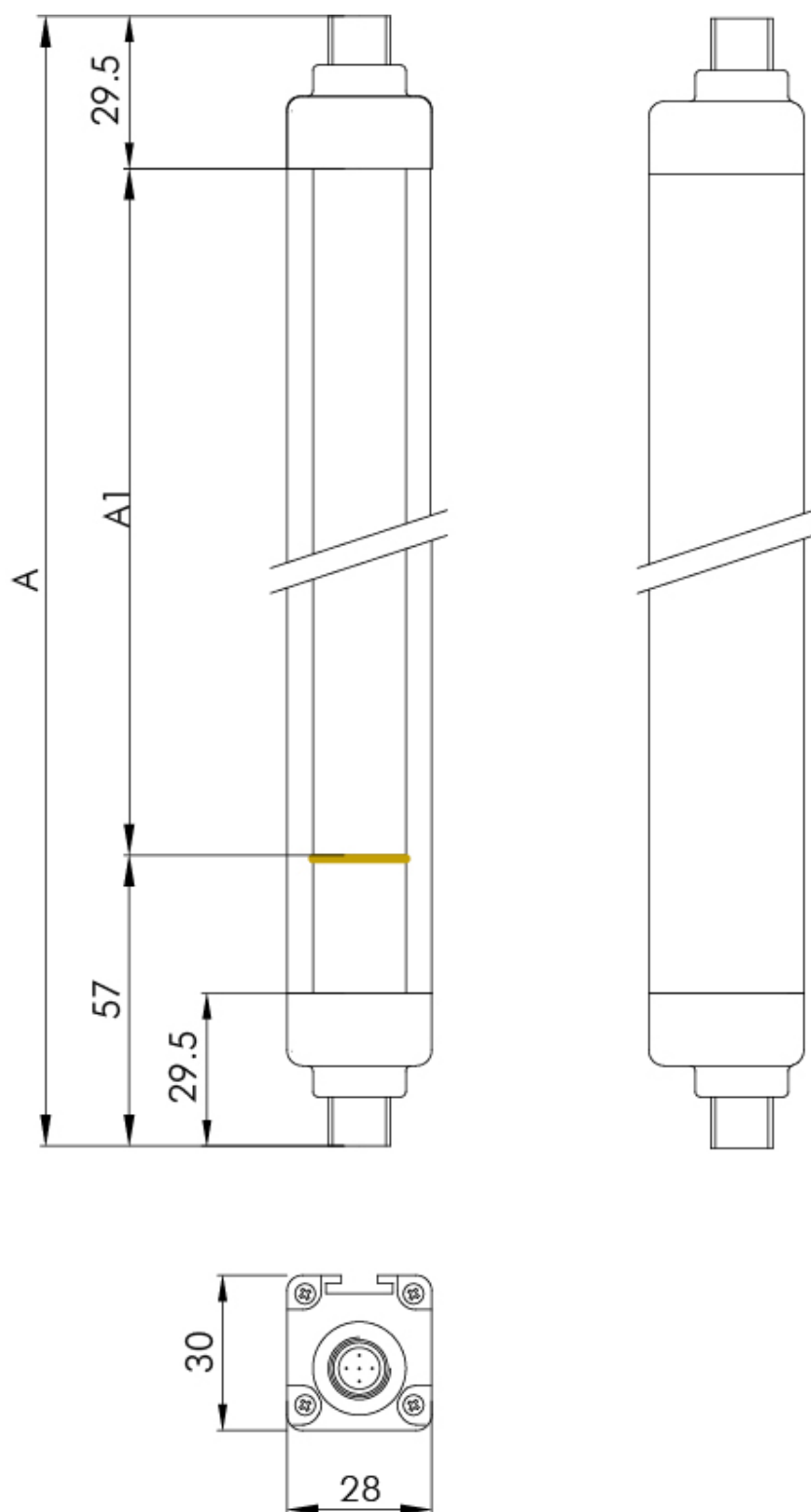
## Electrical data

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

## Mechanical data

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Overall height (mm)           | 536,5                                                                                                               |
| 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) |
| Gross weight (g)              | 1834,06                                                                                                             |

## Technical drawings



## Certificates

