

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



Safety level Type 2 - PL c

Protected height (mm) 1360

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

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# **EXAMPLE R** Your future's safe!

## Features

| Safety level                  | Type 2 - PL c  |
|-------------------------------|--|
| Protected height (mm)         | 1360   |
| Resolution (mm)               | 90   |
| Controlled height (mm)        | 1350   |
| 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)            | 6,5  |
| Number of beams               | 18   |
| Max. length of the connection | 100 (50 between Master and Slave)                          |
| cables (m)                    |  |
| 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        | 306,9  |
| PFHD (IEC 61508)              | 3,42E-08   |
| Safety outputs                | 2 OSSD PNP (400 mA at 24 VDC)                              |
| Safety functions              | Integrated   |
| Detection                     | Body   |
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| Protective enclosures      | None             |
|----------------------------|------------------|
| Packaging dimensions HxLxW | 145 x 1470 x 200 |
| (mm)                       |                  |
| Product class              | C                |
| Custom tariff              | 85365019         |
|                            |                  |

### **Electrical data**

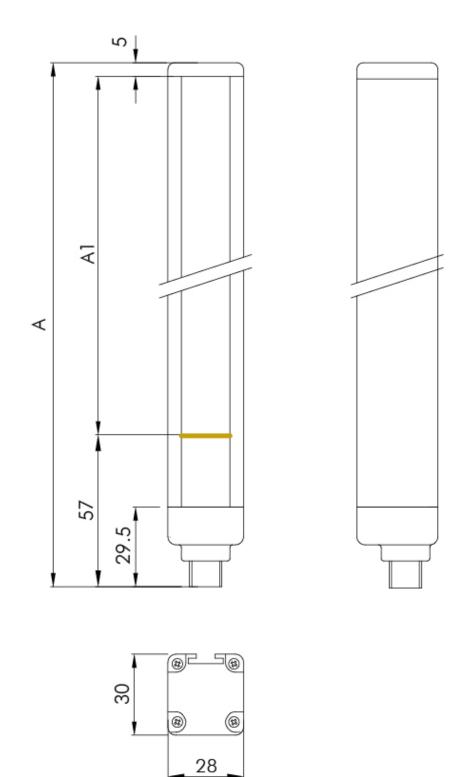
| Power supply (VDC) | 24 ± 20% |
|--------------------|----------|
|--------------------|----------|

### **Mechanical data**

| Overall height (mm)           | 1413  |
|-------------------------------|---|
| 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)              | 4385,26   |



## **Technical drawings**



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### Certificates



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