Order Code: 1310402

Body Detection Safety Light Curtain with Automatic Restart



Safety level

Type 4 - PL e

Protected height (mm)

460

Resolution (mm)

50

Max. range (m)

12

Restart

**Automatic** 

**Functioning system** 

Emitter / Receiver

## **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)               | 50   |
| Controlled height (mm)        | 450  |
| Max. range (m)                | 12   |
| Restart                       | Automatic  |
| Functioning system            | Emitter / Receiver   |
| Safety level (SIL / PL)       | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                   |
| Operating temperature (°C)    | - 30 55  |
| Response time (ms)            | 4,5  |
| Number of beams               | 12   |
| Max. length of the connection | 100  |
| 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 connectors                                      |
| MTTFD (ISO13849) years        | 432,2  |
| PFHD (IEC 61508)              | 9,15E-09   |
| Safety outputs                | 2 OSSD PNP (400 mA at 24 VDC)                              |
| Safety functions              | With external module                                       |
| Detection                     | Body   |
| Protective enclosures         | None   |
|                               |  |



Packaging dimensions HxLxW 145 x 540 x 200

(mm)

Product class C

Custom tariff 85365019

#### **Electrical data**

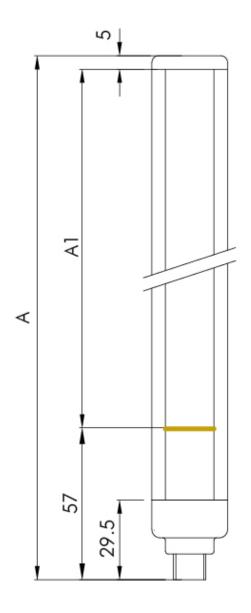
Power supply (VDC)  $24 \pm 20\%$ 

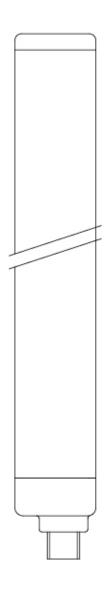
#### **Mechanical data**

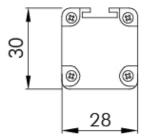
| Overall height (mm)           | 513   |
|-------------------------------|---|
| Cross section dimensions (mm) | 28 x 30   |
| Degree of protection          | IP65 - IP67   |
| Fastening                     | Back slot with set of LE type brackets (included) or to the top |
|                               | and lower end with swivel brackets SFB E (optional)             |
| Gross weight (g)              | 1826,96   |



# **Technical drawings**









## **Certificates**

















