

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



Safety level Type 2 - PL c

Protected height (mm) 760

Resolution (mm) 50

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

EOS2 755 X

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Features

| Safety level | Type 2 - PL c |
|-------------------------------|------------------------------------------------------------|
| Protected height (mm) | 760 |
| Resolution (mm) | 50 |
| Controlled height (mm) | 750 |
| 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) | 7 |
| Number of beams | 20 |
| 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 | 325,8 |
| PFHD (IEC 61508) | 0,00000032 |
| 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 840 x 200 |
| (mm) | |
| Product class | C |
| Custom tariff | 85365019 |
| | |

Electrical data

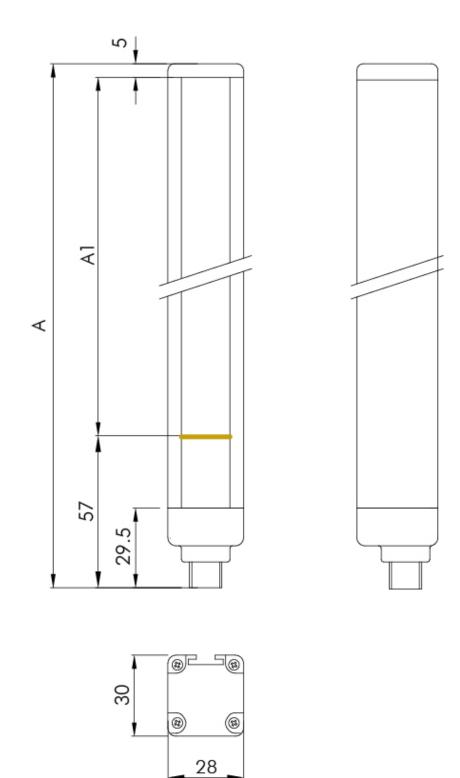
| Power supply (VDC) | 24 ± 20% |
|--------------------|----------|
|--------------------|----------|

Mechanical data

| Overall height (mm) | 813 |
|-------------------------------|-----------------------------------------------------------------|
| 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) | 2541,96 |

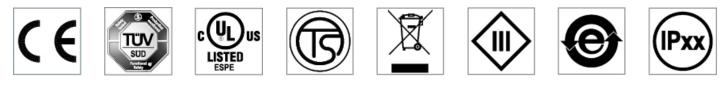


Technical drawings





Certificates



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