

## **EOS4 3B AH**

Order Code: **1310651**

Access Control Safety Light Grid with Automatic Restart, Extended Range



**Safety level**

Type 4 - PL e

**Protected height (mm)**

810

**Resolution (mm)**

Multi-beams

**Max. range (m)**

20

**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)                       | 810                                                                                                        |
| Resolution (mm)                             | Multi-beams                                                                                                |
| Controlled height (mm)                      | 890                                                                                                        |
| Max. range (m)                              | 20                                                                                                         |
| Restart                                     | Automatic                                                                                                  |
| Functioning system                          | Emitter / Receiver                                                                                         |
| Safety level (SIL / PL)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                   |
| Operating temperature (°C)                  | - 20 ... 55                                                                                                |
| Response time (ms)                          | 2,5                                                                                                        |
| Number of beams                             | 3                                                                                                          |
| Max. length of the connection<br>cables (m) | 100                                                                                                        |
| 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                      | 538,8                                                                                                      |
| PFHD (IEC 61508)                            | 1,15E-08                                                                                                   |
| Safety outputs                              | 2 OSSD PNP (400 mA at 24 VDC)                                                                              |
| Safety functions                            | With external module                                                                                       |
| Detection                                   | Access control                                                                                             |
| Protective enclosures                       | None                                                                                                       |

## EOS4 3B AH

Packaging dimensions HxLxW 145 x 1010 x 200

(mm)

Product class C

Custom tariff 85365019

## Electrical data

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

## Mechanical data

Overall height (mm) 953

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) 3061,66

## Technical drawings



## Certificates

