

## **EOS4 451 A**

Order Code: 1310002

Finger Detection Safety Light Curtain with Automatic Restart



**Safety level**

Type 4 - PL e

**Protected height (mm)**

460

**Resolution (mm)**

14

**Max. range (m)**

6

**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)	14
Controlled height (mm)	450
Max. range (m)	6
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)	7,5
Number of beams	45
Max. length of the connection 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 short circuit, overload and reverse polarity
Connections	M12 5-pole connectors
MTTFD (ISO13849) years	431,5
PFHD (IEC 61508)	1,38E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	With external module
Detection	Finger
Protective enclosures	None

## EOS4 451 A

Packaging dimensions HxLxW 145 x 540 x 200

(mm)

Product class C

Custom tariff 85365019

## Electrical data

Power supply (VDC) 24 ± 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**

