# **EOS4** 455 AH

Order Code: 1310452

Body Detection Safety Light Curtain with Automatic Restart, Extended Range



Safety level

Type 4 - PL e

Protected height (mm)

460

Resolution (mm)

50

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

**EOS4 455 AH** 



#### **Features**

Safety level	Type 4 - PL e
Protected height (mm)	460
Resolution (mm)	50
Controlled height (mm)	450
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)	3,5
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	540,6
PFHD (IEC 61508)	1,09E-08
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**

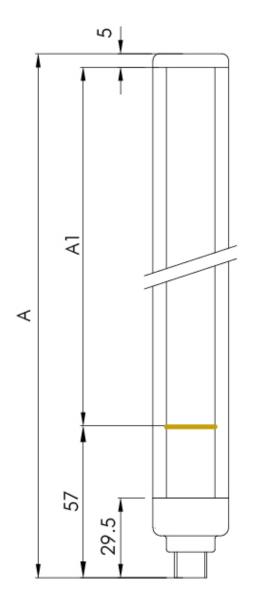
Power supply (VDC)  $24 \pm 20\%$ 

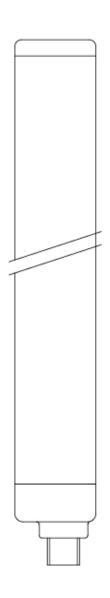
#### **Mechanical data**

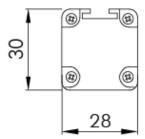
Overall height (mm)	513
Cross section dimensions (mm)	28 x 30
Degree of protection	IP65 - IP67
Fastening	Back slot with set of LE type brackets (included) or to the top
	and lower end with swivel brackets SFB E (optional)
Gross weight (g)	1826,96



# **Technical drawings**









## **Certificates**

















