# **EOS2** 1959 A

Order Code: 1320790

Body Detection Safety Light Curtain with Automatic Restart



Safety level

Type 2 - PL c

Protected height (mm)

1960

Resolution (mm)

90

Max. range (m)

12

Restart

**Automatic** 

**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 1959 A



## **Features**

Safety level Type 2 - PL c  Protected height (mm) 1960  Resolution (mm) 90  Controlled height (mm) 1950  Max. range (m) 12  Restart Automatic  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) 8  Number of beams 26  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 connectors  MTTFD (ISO13849) years 246,8  PFHD (IEC 61508) 4,32E-08  Safety outputs 2 OSSD PNP (400 mA at 24 VDC)  Safety functions With external module  Detection Body  Protective enclosures None		
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Safety functions  With external module  Detection  Body	PFHD (IEC 61508)	4,32E-08
Detection Body	Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
	Safety functions	With external module
Protective enclosures None	Detection	Body
	Protective enclosures	None



Packaging dimensions HxLxW 0 x 0 x 0

(mm)

Product class C

Custom tariff 85365019

#### **Electrical data**

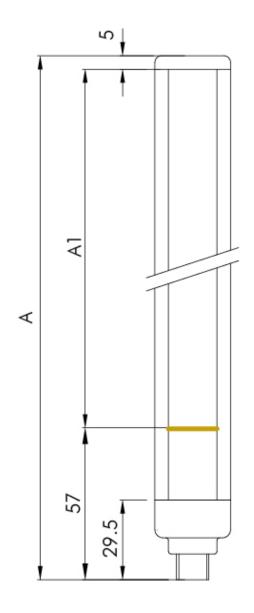
Power supply (VDC)  $24 \pm 20\%$ 

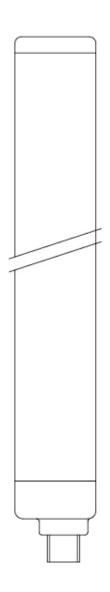
#### **Mechanical data**

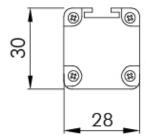
Overall height (mm)	2013
Cross section dimensions (mm)	28 x 30
Degree of protection	IP65 - IP67
Fastening	Back slot with set of LE type brackets (included) or to the top
	and lower end with swivel brackets SFB E (optional)
Gross weight (g)	5991,26



# **Technical drawings**









## **Certificates**















