# **EOS2 1659 X**FOR THE PROPERTY OF THE PROPERT

Order Code: 1320572

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



Safety level

Type 2 - PL c

Protected height (mm)

1660

Resolution (mm)

90

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 1659 X



## **Features**

Safety level	Type 2 - PL c
Protected height (mm)	1660
Resolution (mm)	90
Controlled height (mm)	1650
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	22
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	273,6
PFHD (IEC 61508)	3,87E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Body



Protective enclosures None

Packaging dimensions HxLxW 145 x 1770 x 200

(mm)

Product class C

Custom tariff 85365019

#### **Electrical data**

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

#### Mechanical data

Overall height (mm) 1713

Cross section dimensions (mm) 28 x 30

Degree of protection IP65 - IP67

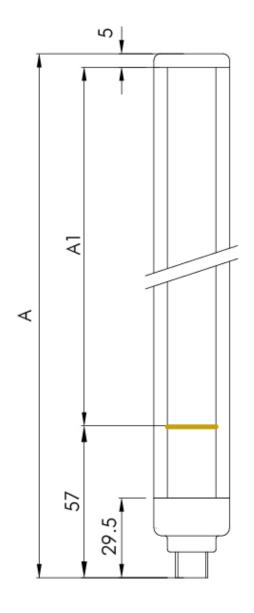
Fastening Back slot with set of LE type brackets (included) or to the top

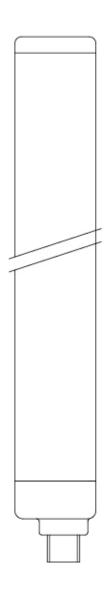
and lower end with swivel brackets SFB E (optional)

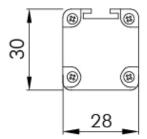
Gross weight (g) 5131,26



# **Technical drawings**









## **Certificates**















