# **EXER** Your future's safe!

# **EOS2 1809 XS**

Order Code: 1320577

Body Detection Safety Light Curtain for Cascading Connection with Automatic/Manual Restart and EDM (Primary Slave)



Safety level

Type 2 - PL c

Protected height (mm)

1810

Resolution (mm)

90

Max. range (m)

12

Restart

Built-in - User selectable automatic or manual

**Functioning system** 

Emitter / Receiver

Master Slave Models Ves

# **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 1809 XS** 



### **Features**

Safety level	Type 2 - PL c
Protected height (mm)	1810
Resolution (mm)	90
Controlled height (mm)	1800
Max. range (m)	12
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Master Slave Models	yes
Safety level (SIL / PL)	Type 2 - SIL 1 - SILCL 1 - PL c - Cat. 2
Operating temperature (°C)	- 30 55
Response time (ms)	See technical manual
Number of beams	24
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	259,8
PFHD (IEC 61508)	4,09E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Body



Protective enclosures None

Packaging dimensions HxLxW 145 x 1960 x 200

(mm)

Product class C

Custom tariff 85365019

#### **Electrical data**

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

#### **Mechanical data**

Overall height (mm) 1863

Cross section dimensions (mm) 28 x 30

Degree of protection IP65 - IP67

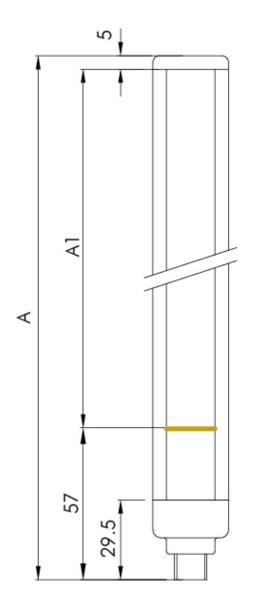
Fastening Back slot with set of LE type brackets (included) or to the top

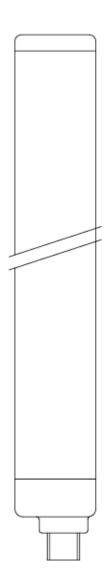
and lower end with swivel brackets SFB E (optional)

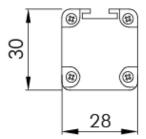
Gross weight (g) 5780,16



# **Technical drawings**









# **Certificates**















