

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



Safety level Type 4 - PL e

Protected height (mm)

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 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 2109 X

EXAMPLE REPORT Your future's safe!

Features

Safety level	Type 4 - PL e
Protected height (mm)	
Resolution (mm)	90
Controlled height (mm)	
Max. range (m)	12
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Safety level (SIL / PL)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
Operating temperature (°C)	- 30 55
Response time (ms)	8,5
Number of beams	28
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 connector (emitter), M12 8-pole connector
	(receiver)
MTTFD (ISO13849) years	242,6
PFHD (IEC 61508)	0,00000014
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Body
EOS4 2109 X	

Pag. 2/5

EXAMPLE R Your future's safe!

Protective enclosures	None
Packaging dimensions HxLxW	145 x 2220 x 200
(mm)	
Product class	C
Custom tariff	85365019

Electrical data

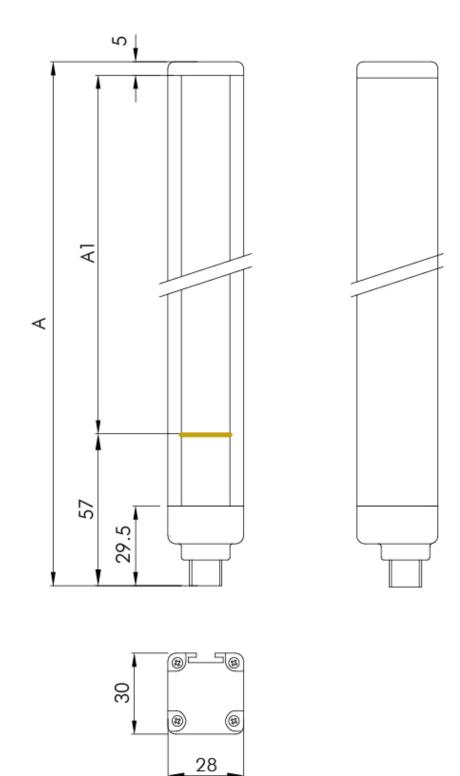
Power supply (VDC)	24 ± 20%
--------------------	----------

Mechanical data

Overall height (mm)	2163
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)	6498,76



Technical drawings



EOS4 2109 X

Pag. 4/5



Certificates

















EOS4 2109 X

