

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



Safety level Type 2 - PL c

Protected height (mm) 760

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 759 X

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Features

Safety level	Type 2 - PL c
Protected height (mm)	760
Resolution (mm)	90
Controlled height (mm)	750
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)	5
Number of beams	10
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
Satety output type	2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and reverse polarity
Safety output type Connections	
	short circuit, overload and reverse polarity
	short circuit, overload and reverse polarity M12 5-pole connector (emitter), M12 8-pole connector
Connections	short circuit, overload and reverse polarity M12 5-pole connector (emitter), M12 8-pole connector (receiver)
Connections MTTFD (ISO13849) years	short circuit, overload and reverse polarity M12 5-pole connector (emitter), M12 8-pole connector (receiver) 405,7
Connections MTTFD (ISO13849) years PFHD (IEC 61508)	short circuit, overload and reverse polarity M12 5-pole connector (emitter), M12 8-pole connector (receiver) 405,7 2,51E-08
Connections MTTFD (ISO13849) years PFHD (IEC 61508) Safety outputs	short circuit, overload and reverse polarity M12 5-pole connector (emitter), M12 8-pole connector (receiver) 405,7 2,51E-08 2 OSSD PNP (400 mA at 24 VDC)

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Protective enclosures	None
Packaging dimensions HxLxW	145 x 840 x 200
(mm)	
Product class	C
Custom tariff	85365019

Electrical data

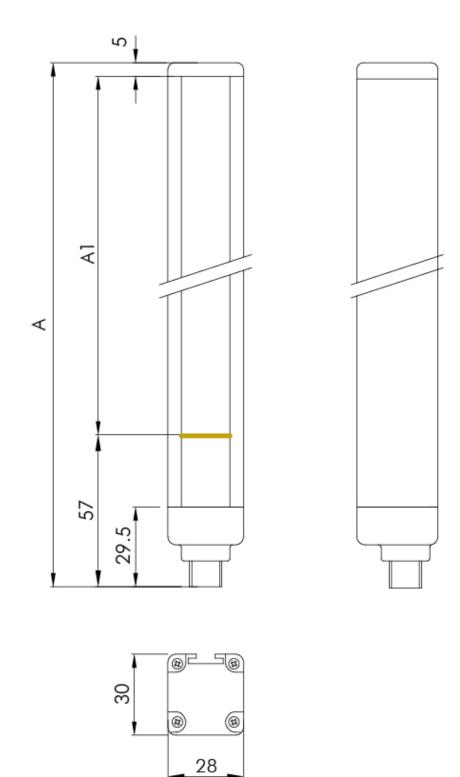
Power supply (VDC)	24 ± 20%
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Mechanical data

Overall height (mm)	813
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)	2541,96



Technical drawings





Certificates



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