

EOS4 309 X

Order Code: **1310511**

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



Safety level

Type 4 - PL e

Protected height (mm)

310

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

Features

Safety level	Type 4 - PL e
Protected height (mm)	310
Resolution (mm)	90
Controlled height (mm)	300
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)	3
Number of beams	4
Max. length of the connection cables (m)	100
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	574,4
PFHD (IEC 61508)	8,09E-09
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Body

EOS4 309 X

Packaging dimensions HxLxW (mm)	145 x 390 x 200
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Product class	B
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Custom tariff	85365019
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Electrical data

Power supply (VDC)	24 ± 20%
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Mechanical data

Overall height (mm)	363
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Cross section dimensions (mm)	28 x 30
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Degree of protection	IP65 - IP67
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Fastening	Back slot with set of LE type brackets (included) or to the top and lower end with swivel brackets SFB E (optional)
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Gross weight (g)	1464,46
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Technical drawings



Certificates

