

EOS2 455 X

Order Code: 1320412

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



Safety level

Type 2 - PL c

Protected height (mm)

460

Resolution (mm)

50

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

Features

Safety level	Type 2 - PL c
Protected height (mm)	460
Resolution (mm)	50
Controlled height (mm)	450
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)	5,5
Number of beams	12
Max. length of the connection cables (m)	100 (50 between Master and Slave)
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	410,2
PFHD (IEC 61508)	2,48E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Body

Protective enclosures	None
Packaging dimensions HxLxW (mm)	145 x 540 x 200

Product class	C
Custom tariff	85365019

Electrical data

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

Mechanical data

Overall height (mm)	513
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)	1826,96

Technical drawings



Certificates

