

EOS2 1803 XT

Order Code: 1321236

Hand Detection Safety Light Curtain with Automatic/Manual Restart and EDM. Resistant to High Vibrations



Safety level

Type 2 - PL c

Protected height (mm)

1810

Resolution (mm)

30

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)	1810
Resolution (mm)	30
Controlled height (mm)	1800
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)	22,5
Number of beams	91
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	122,9
PFHD (IEC 61508)	8,98E-08
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Safety functions	With external module
Special versions	High vibrations

EOS2 1803 XT

Detection	Hand
Operating Range (m)	12
Protective enclosures	None
Packaging dimensions HxLxW (mm)	145 x 1920 x 200
Product class	C
Custom tariff	85365019

Electrical data

Power supply (VDC)	24 ± 20%
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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)	5638,76

Technical drawings



Certificates

