

SAFEREADY SFRD4 1209 X

Order Code: 1070327

Body Detection Type 4 Safety Light Curtain. Standard Version. With Automatic/Manual Restart and EDM



Safety level

Type 4 - PL e

Protected height (mm)

1210

Resolution (mm)

90

Max. range (m)

18

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 33 mm

No blind area on both side

Hardware configuration: no programming necessary, easy to install and replace

Connection and configuration through M12 pig-tail connectors

Start / Restart manual or automatic with EDM monitoring

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

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Features

Safety level	Type 4 - PL e
Protected height (mm)	1210
Resolution (mm)	90
Controlled height (mm)	1200
Max. range (m)	18
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Safety level (SIL / PL)	Type 4 - SIL 3 - Max SIL 3 - SL 2 - PL e - Cat. 4
Operating temperature (°C)	- 30 ... 55
Number of beams	16
Max. length of the connection cables (m)	100
Signalling	LEDs and top LED cap 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 male pigtail connector (emitter), M12 8-pole male pigtail connector (receiver)
MTTFD (ISO13849) years	20
Safety outputs	2 OSSD PNP (400 mA at 24 VDC)
Storage temperature (°C)	- 30 ... 70
Relative humidity	50% @ 70 °C / 90% @ 20 °C
Safety functions	Integrated

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Detection

Body

Operating Range (m)

Selectable: 0 ... 8 m - low range / 5 ... 18 m - high range

Protective enclosures

None

Product class

B

Electrical data

Power supply (VDC)

 $24 \pm 20\%$

Mechanical data

Beam spacing (mm)

80

Overall height (mm)

1218

Cross section dimensions (mm)

28 x 33

Degree of protection

IP65 - IP67

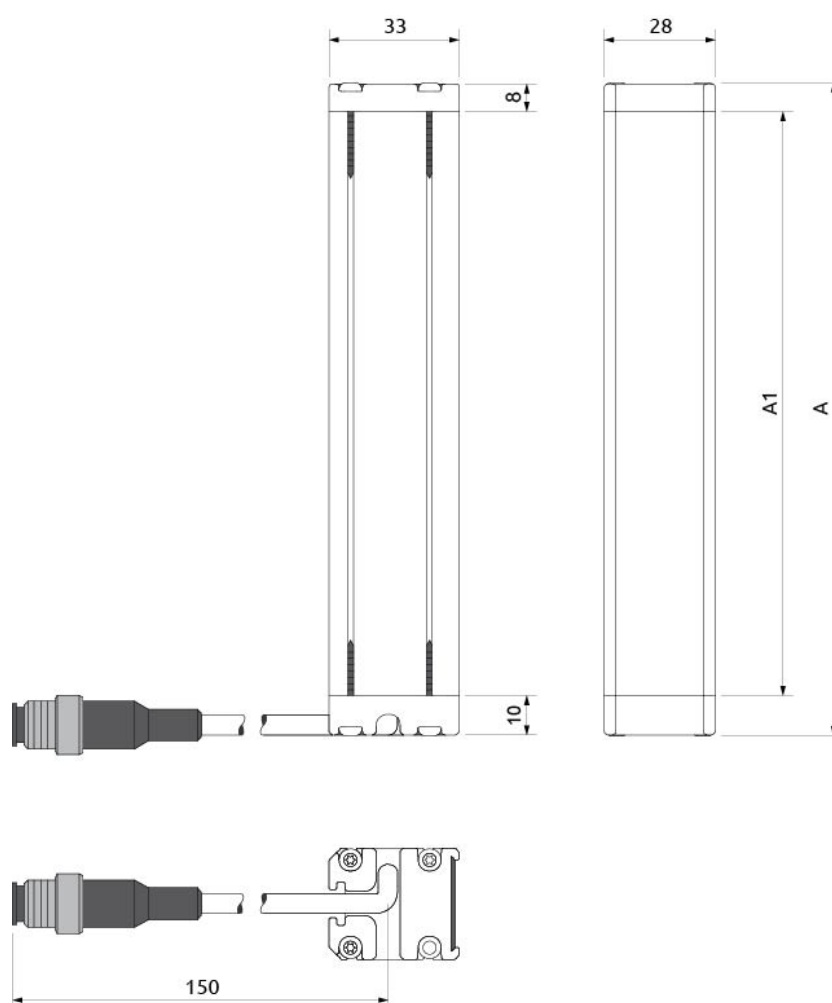
Fastening

Back slot with set of brackets (included)

Technical drawings

A1 (Controlled height) = 1200 mm

A (Overall height) = 1218 mm



Certificates

