

SAFEREADY SFRD4 451 P

Order Code: 1070042

Finger Detection Type 4 Safety Light Curtain. Plus Version.
Bluetooth configuration via Safeready APP.
Automatic/Manual Restart selectable and EDM monitoring.
Integrates fixed and floating blanking, manual pre-restart, and reduced resolution functions. Configurable response time.



Safety level

Type 4 - PL e

Protected height (mm)

450

Resolution (mm)

14

Max. range (m)

8

Restart

Built-in - User selectable automatic or manual

Functioning system

Emitter / Receiver

Blanking function

Fixed, floating or mixed

Programmability

Yes

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

Software configuration via Safeready APP connected via Bluetooth; allows the barrier to be adapted to different safety applications

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

Features

Safety level	Type 4 - PL e
Protected height (mm)	450
Resolution (mm)	14
Controlled height (mm)	447
Max. range (m)	8
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Blanking function	Fixed, floating or mixed
Safety level (SIL / PL)	Type 4 - SIL 3 - Max SIL 3 - SL 2 - PL e - Cat. 4
Operating temperature (°C)	- 30 ... 55
Response time (ms)	See technical manual
Number of beams	45
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
Blanking with object presence obligation	Configurable via Safeready APP

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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
Detection	Finger
Operating Range (m)	Selectable: 0 ... 4 m - low range / 3 ... 8 m - high range
Protective enclosures	None
Programmability	Yes
Product class	B

Electrical data

Power supply (VDC)	24 ± 20%
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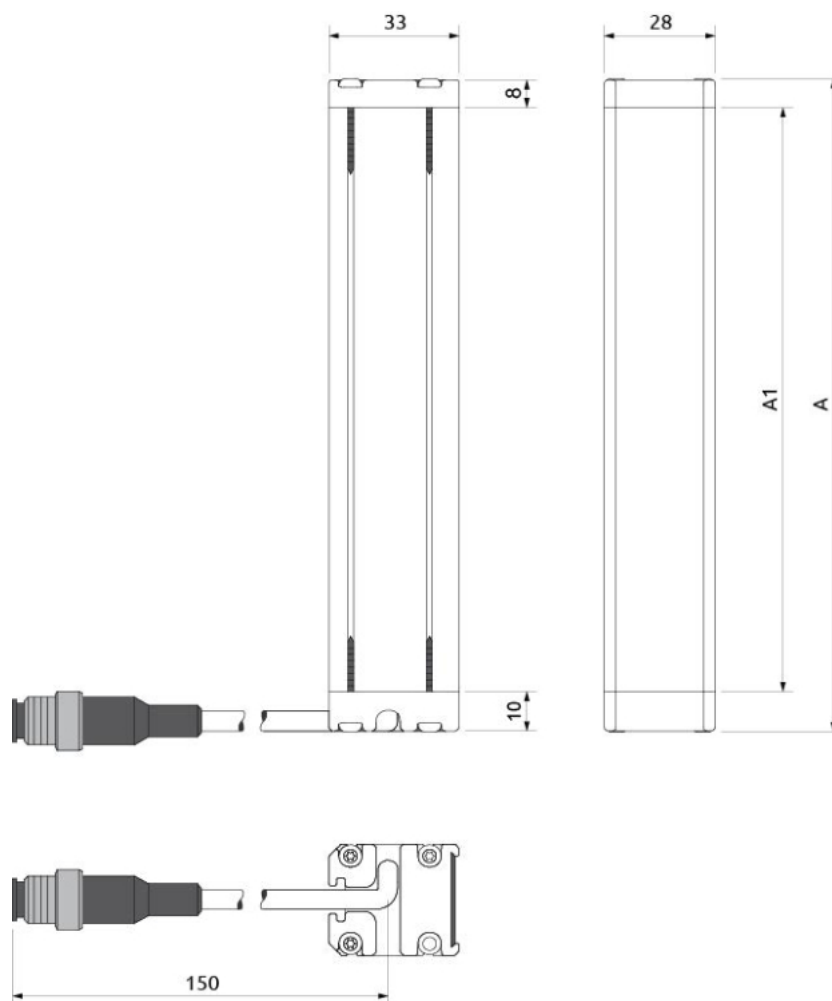
Mechanical data

Beam spacing (mm)	10
Overall height (mm)	465
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) = 447 mm

A (Overall height) = 465 mm



Certificates

