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SAFEGATE S 1953

Order Code: **1390212**

Hand Detection Safety Light Curtain with Automatic/Manual Restart and EDM (No Integrated Muting Function)

Safety level
Type 4 - PL e

Protected height (mm)
1960

Resolution (mm)
30

Max. range (m)
12

Restart
Built-in - User selectable automatic or manual

Functioning system
Emitter / Receiver

Built-in Muting lamp
No

Technical Description

Safety Light Curtain: Type 4, SIL 3, SILCL 3, PL e, Cat. 4
Cross Section: 50 x 55 mm
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)	1960
Resolution (mm)	30
Controlled height (mm)	1950
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)	25
Number of beams	98
Max. length of the connection cables (m)	100
Built-in Muting lamp	No
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 male connector (emitter), M12 8-pole male connector (receiver)
MTTFD (ISO13849) years	94,5
PFHD (IEC 61508)	3,11E-08
Safety outputs	2 fail-safe PNP (400 mA at 24 VDC)
Safety functions	Integrated

Detection	Hand
Operating Range (m)	Selectable: 0 ... 4 m - low range / 0 ... 12 m - high range
Protective enclosures	None
Packaging dimensions HxLxW (mm)	145 x 2140 x 200
Product class	C
Custom tariff	85365019

Electrical data

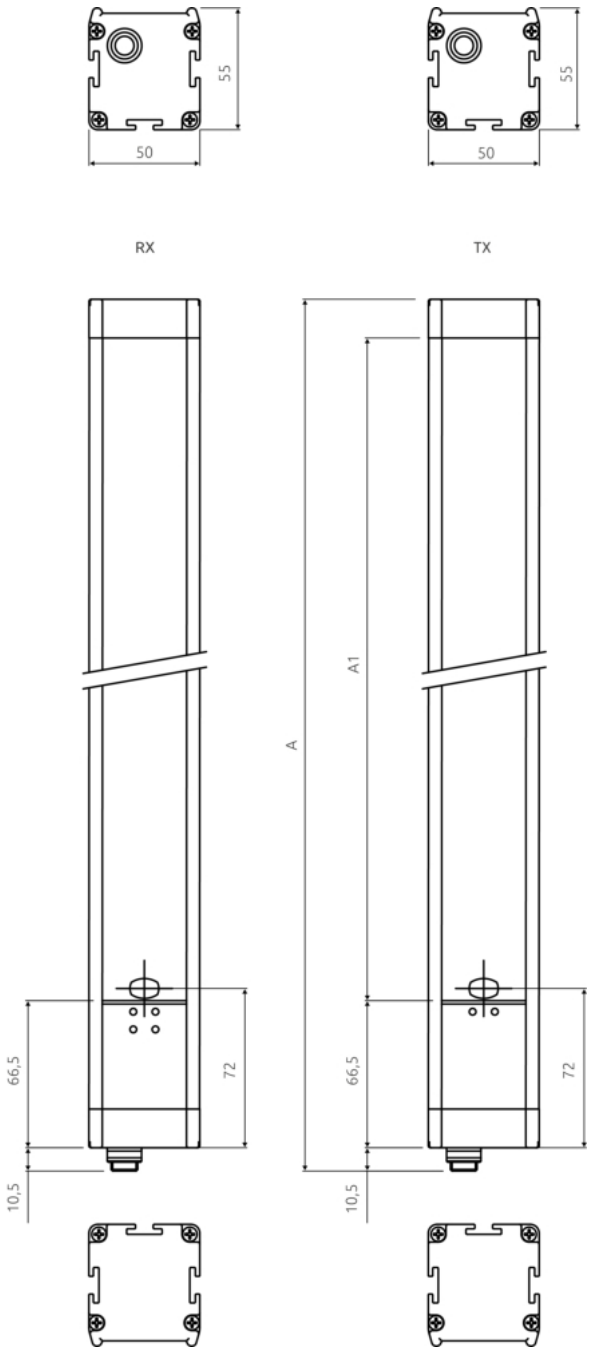
Power supply (VDC)	24 ± 20%

Mechanical data

Overall height (mm)	2045
Cross section dimensions (mm)	50 x 55
Degree of protection	IP65 - IP67
Fastening	Back slot, side slot with set of LL type brackets (included). SFB SG swivel brackets (optional)

Technical drawings

A1 (Controlled height) = 1950 mm
A (Overall height) = 2045 mm



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