

SAFEGATE SMPO 903

Order Code: **1390285**

Hand Detection Safety Light Curtain with Integrated Muting Function. Automatic/Manual Restart and EDM. With Integrated Status Lamp. Programmable Functions



Safety level

Type 4 - PL e

Protected height (mm)

910

Resolution (mm)

30

Max. range (m)

12

Restart

Built-in - User selectable
automatic or manual

Functioning system

Emitter / Receiver

Muting Function

Integrated

Built-in Muting lamp

Yes

Programmability

Yes

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, allows configuration of Muting logics and Functional Parameters

Software configuration: allows configuration of Muting logics, Functional Parameters and Additional Functions (i.e. filters, delays and partial Muting)

Connection and configuration through M12 connectors

3 Pre-Configured Muting Logics: Exit-Only (Parallel or Crossed Beams), Entry-Exit (Parallel Beams), Entry-Exit (Crossed Beams)

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)	910
Resolution (mm)	30
Controlled height (mm)	900
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)	14,5
Number of beams	46
Max. length of the connection cables (m)	100
Muting Function	Integrated
Muting logic	T (Two way) logic with 2 or 4 sensors crossed or parallel beams. L (One way) logic with 2 sensors crossed or parallel beams
Max. override time-out	15 min.
Built-in Muting lamp	Yes
Muting sensors	External with relay or PNP DARK-ON output, Muting arms kit, Muting brackets with M5 sensors kit
Signalling	LEDs indication for diagnostics, light curtain's status and Muting sensors status

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 12-pole male connector (receiver), M12 5-pole female connectors (Muting sensors) M12 5-pole female connector (programming and external Muting lamp)
MTTFD (ISO13849) years	149,4
Safety outputs	2 fail-safe PNP (400 mA at 24 VDC)
Safety functions	Integrated
Detection	Hand
Packaging dimensions HxLxW (mm)	145 x 1090 x 200
Programmability	Yes
Product class	B
Custom tariff	85365019

Electrical data

Power supply (VDC)	24 ± 20%
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Mechanical data

Overall height (mm)	1020
Cross section dimensions (mm)	50 x 55
Degree of protection	IP65 - IP67

Fastening

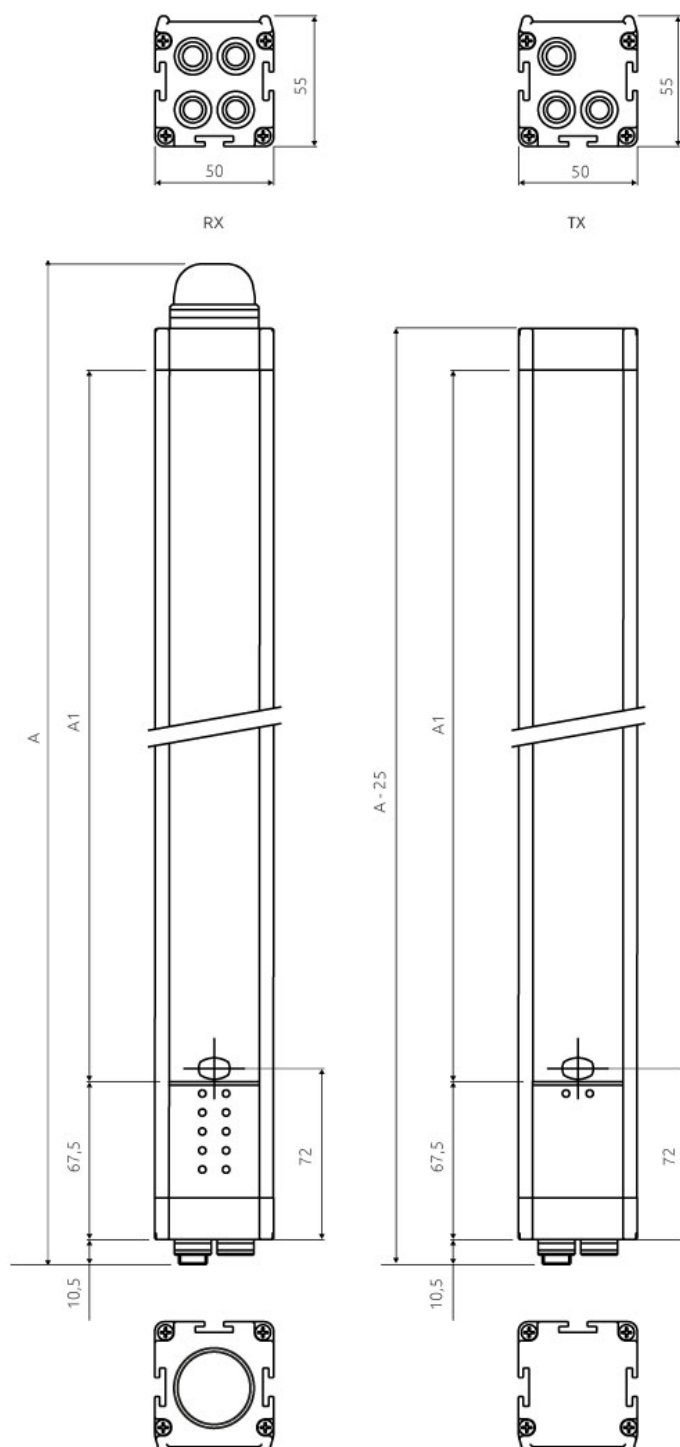
Back slot, side slot with set of LL type brackets (included). SFB

SG swivel brackets (optional)

Gross weight (g)

6335,46

Technical drawings



Certificates

