



SAFEGATE

access control safety light curtains

short form

BRER



Flexible configuration

Hardware or Software configuration to cover all Muting applications

Pre-configured Muting logics

Exit-only (parallel/crossed), Entry-Exit (parallel), Entry-Exit (crossed)

Integrated Status and Muting lamp

Fully scalable Change configuration at any time

> Pre-configured and pre-wired Muting arms and Muting brackets

New M⁵ multi-beam Muting photocell Ideal for sensing unconventional objects

> Transceiver versions available With passive retro-reflective elements



Vast range of accessories

Including special mounting brackets, floor mounting columns and connection boxes

access control barriers with integrated Muting functions

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Configuration connector (and auxiliary Muting lamp) Allows connection to PC for software configuration

IP65 and IP67

Master connector Allows hardware configuration via different wiring options

Muting sensor(s)

connector

Muting sensor(s) connector

Integrated Status and Muting lamp

Status display

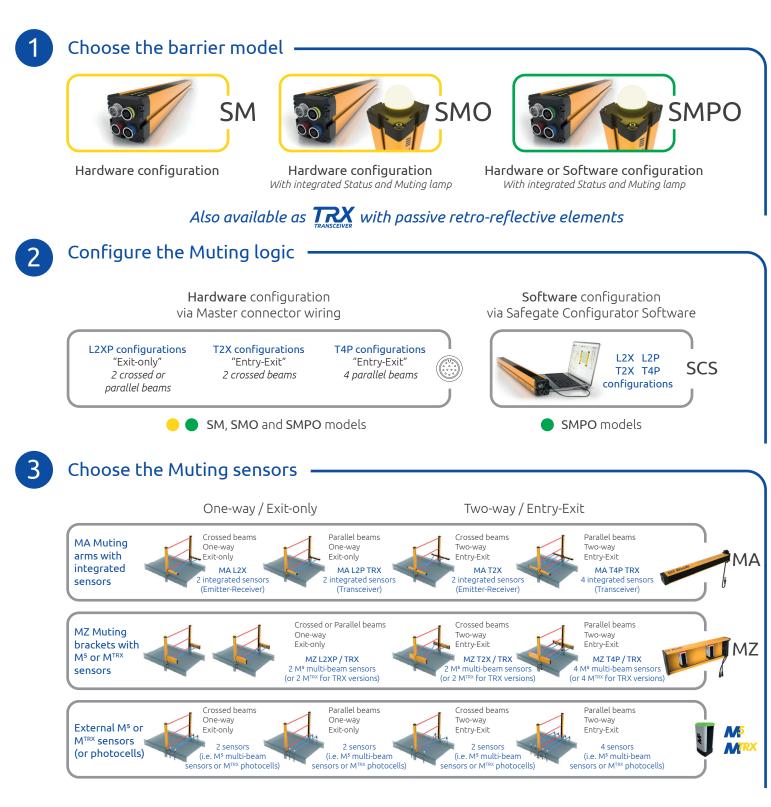
Side rail for easy installation of Muting sensors





A unique range

Covering all Muting applications



access control barriers with integra

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An integrated solution

One single barrier for all your access control needs

SAFEGATE ////

The most flexible Muting integrated barrier on the market today

Each barrier can be configured as Exit-only (L-Muting) or Entry-Exit (T-Muting) with crossed (X) or pallalel (P) beams.

Configuration can be changed at any time.

Hardware configurable models (SM/SMO/SMPO) allow configuration of Muting logics and functional parameters via the Master connector wiring.

Software configurable models (SMPO) allow configuration of Muting logics and additional functional parameters (i.e. Partial Muting) via Safegate Configuration Software (SCS).

Programmable models (SMPO) allow further configuration parameters, ideal to address particular issues in more complicated application scenarios.

Safegate can be used with MA Muting arms (with pre-aligned and pre-configured integrated Muting sensors), with MZ Muting brackets (with M⁵ multi-beam sensors or M^{TRX} photocells) or with any other Muting sensor.

Sensors can be upgraded, added or removed at any time.

Models with integrated status lamp allow to easily recognise the status of the barrier.

Access control barrier with integrated Muting functions

The new Safegate Type 4 range of access control barriers is the ideal solution for the protection of a vast number of high-risk industrial applications, in particular those requiring a high level of integration of the Muting functions.

Safegate guarantees the perfect integration of all Muting sensors that can be directly connected to the access control barrier.



ted Muting functions

Main features

Outstanding characteristics

SM models

Three hardware configuration options, selectable via different Master connector wiring.

L2X/P (one-way Muting with 2 crossed/parallel beams sensors).

T2X (two-way Muting with 2 crossed beams sensors).

T4P (two-way Muting with 4 parallel beams sensors).

SMO models

Same as SM models, with integrated Status and Muting lamp.

SMPO models

Allows hardware or software configuration of all Muting logics. Hardware configuration via different main connector wiring (as per SMO models). Software configuration via the provided SCS software; software configuration allows additional functional parameters options particularly useful in complicated or unordinary applications. With integrated Status and Muting lamp.

Muting sensors

MA Muting arms with pre-wired and pre-aligned sensors for all Muting logics configurations.

MZ Muting brackets with multi-beam M⁵ photocells for all Muting logics configurations.

Special versions for transparent-object detection, i.e. glass (MA TRX G) and extended-lenght versions for high-speed conveyors (MA TRX V).

Safegate is equipped with two integrated Muting connectors with four Muting inputs, in 4-sensors configurations, the use of a Y-splitter is mandatory.

Partial Muting

Programmable models, allow the configuration of all Muting logics and additional functional parameters via the SCS software provided.

Muting logics

Muting logics are set according to the final application and can be summarised as it follows:

L2X Logic Crossed beams (One-way, Exit-only) Suitable solution for any applications with pallet exit.

L2P Logic Parallel beams (One-way, Exit-only) Suitable solution for applications with transparent material: i.e. bottling industry with pallet exit.

T2X Logic Crossed beams (Two-way, Entry-Exit) Suitable solution for the most common pallet infeed/outfeed applications. Ideal solution in case of a continuous flow of pallets even without separation between the pallets.

T4P Logic Parallel beams (Two-way, Entry-Exit) Suitable solution for applications with transparent material and application with presence of a pallet with reduced width or not systematically centered on the conveyor.

SAFEGATE ///



The connection box allows a quick and reliable connection of the Safegate light curtains providing all major operating controls like Restart and Override in the guarded area. *Different models available*

Showing configuration with **MA Muting arms** with integrated sensors



Technical characteristics

Enhancing users' experience

Main features

Resolutions: 30, 40 mm - 2, 3 and 4 beams.

Emitter / Receiver and Transceiver (passive retro-reflector elements) versions .

Integration of the main safety functions, including self-testing of solid state outputs, external device monitoring (EDM) and Start/Restart interlock function.

Cross-section: 55 x 50 mm.

Protected height: 300 ... 2200 mm.

Protection rating: IP65 and IP67.

Operating temperature: -30 ... +55 °C (without condensing).

Integrated Status and Muting lamp (SMO/SMPO models).

Integrated status lamp



Muting arms kits, Muting brackets kits and M⁵ multi-beam photocells

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Muting arms kits (MA)

MA L2X arms (2 through-beam sensors) MA L2P TRX arms (2 retro-reflective sensors)

MA T2X arms (2 through-beam sensors)

MA T4P TRX arms (4 retro-reflective sensors)

Muting brackets kits (MZ)

MZ L2XP brackets (with 2 M⁵multi-beam sensors) MZ L2XP TRX brackets

(with 2 M^{TRX} photocells) MZ T2X brackets (with 2 M⁵ multi-beam sensors)

MZ T2X TRX brackets (with 2 M^{TRX} photocells)

MZ T4P brackets (with 4 M^s multi-beam sensors)

MZ T4P TRX brackets (with 4 M^{TRX} photocells)



Special versions -

Special Muting arms and

brackets for transparent

objects applications (i.e.

glass) and high-speed

conveyors

M⁵ multi-beam photocell

Through-beam barrier type photocell with 5 beams.

Ideal for installation as Muting sensor, allows to detect also the most difficult objects like, for example, piles of pallets.



Provided with pigtail cable with M12 5-pole connector for easy installation.

The integrated status signaling lamp allows to easily verify the status of the system.







60 years of quality and innovation

Founded in Turin, Italy in 1959, ReeR distinguished itself for its strong commitment to innovation and technology.

A steady growth throughout the years allowed ReeR to become a point of reference in the safety automation industry at a worldwide level.

The Safety Division is in fact today a world leader in the development and manufacturing of safety optoelectronic sensors and controllers.

ReeR is ISO 9001, ISO 14001 and ISO 45001 certified.



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