



Safety. Detection. Control.



SAFEGATE



Access Guarding Made Easy

Type 4 Muting Integrated Access Control Barrier



REER

SAFEGATE

Hardware configuration
(for most applications)

Software configuration
(for particular or custom applications)

3 pre-configured Muting settings
(exit, and parallel/crossed entry-exit)

Integrated status lamp
(Muting and barrier status)

Fully scalable
(change configuration at any time)

L and T pre-configured and
pre-wired Muting arms

New **M5** multibeam photocell
(for sensing unconventional objects)

Vast range of accessories
(including mounting brackets)













access control barriers with
integrated Muting functions

SAFETY LEVEL
TYPE 4
SIL 3 - SILCL 3
PL e - Cat. 4









A unique range

Covering all Muting applications

		Integrated arms with built-in sensors			
		Photocells and M ^s sensors	TX arms (2 sensors)	LX/2 arms (2 sensors)	T4 arms (4 sensors)
SM Models Hardware Configuration without integrated lamp		L LX One-way Muting with 2 crossed beams sensors			
		L2 One-way Muting with 2 parallel beams sensors			
SMO Models Hardware Configuration with integrated lamp		TX Two-way Muting with 2 crossed beams sensors			
		T4 Two-way Muting with 4 parallel beams sensors			

SMPO Models Software Configuration with integrated lamp		Programmable Via SCS software	
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Muting logics

LX Logic Crossed beams (one-way)	 	Suitable solution for any applications of pallet exit.
L2 Logic Parallel beams (one-way)	 	Suitable solution for transparent material: glass and bottling industry of pallet exit.
TX Logic Crossed beams (two-way)	 	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.
T4 Logic Parallel beams (two-way)	 	Suitable solution for transparent material and application with presence of a pallet with reduced width or not centred with respect to the conveyor. Through the verification of the 4 sensors, allows to set infinite Muting timeOut. Please note: this configuration needs a separation between two consecutive pallets equal to the distance between the two external Muting sensors.

access control barriers with integrated

www.reersafety.com

The one-stop shop solution

One single barrier for all your access control needs

Programmable 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 integration of the Muting sensors that can be connected directly to the access control barrier.

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

Programmable models (SMPO) functional parameters configuration are managed instead via Safegate Configuration Software (SCS).

The most flexible Muting integrated barrier on the market today

Each barrier can be configured as L, TX and T4 via Master connection wiring.

Configuration can be changed at any time.

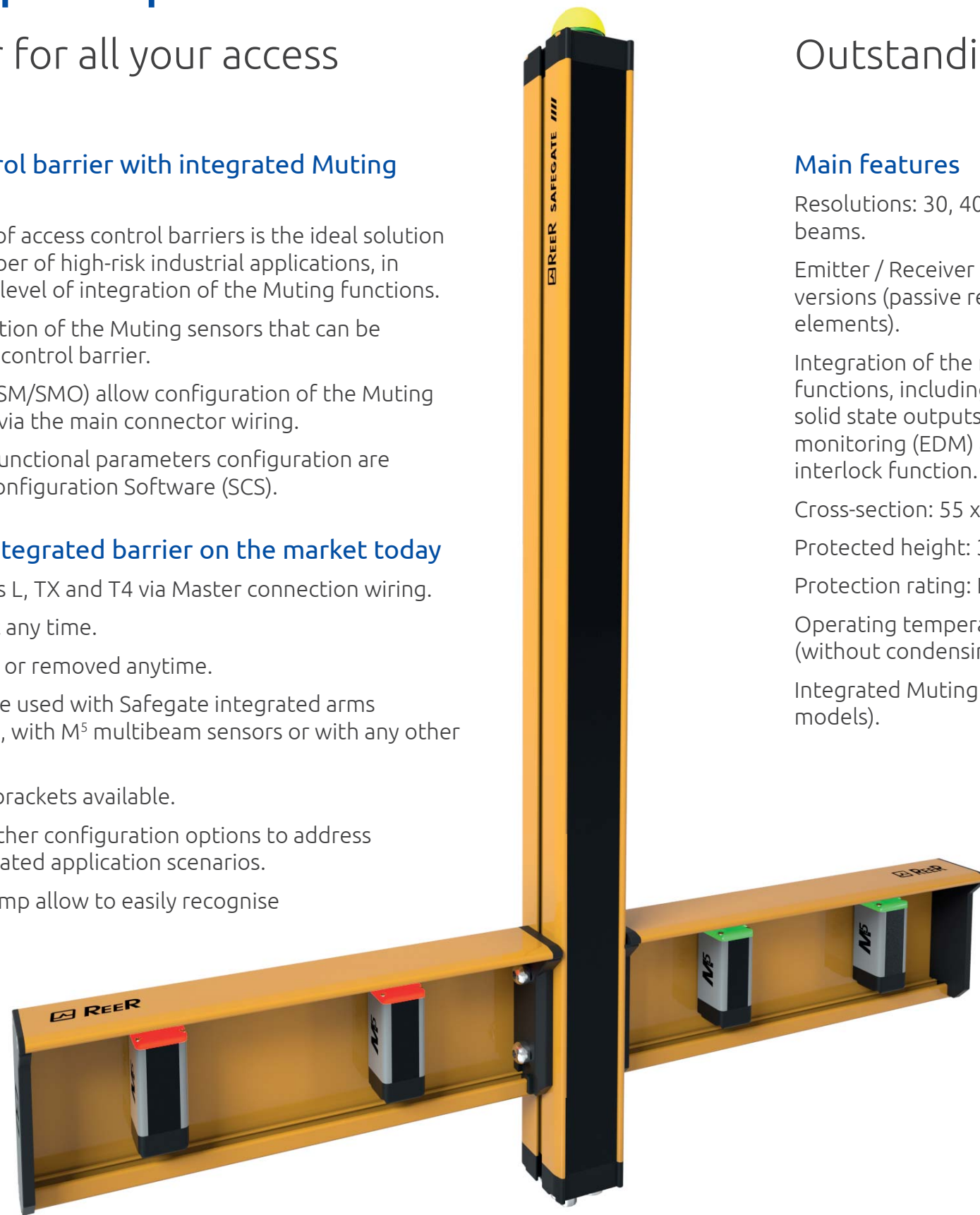
Sensors can be upgraded, added or removed anytime.

Each access control barrier can be used with Safegate integrated arms (pre-aligned and pre-configured), with M⁵ multibeam sensors or with any other Muting sensors.

Photocell and sensor mounting brackets available.

Programmable models allow further configuration options to address particular issues in more complicated application scenarios.

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



Main features

Outstanding characteristics

Main features

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

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

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 to 2200 mm.

Protection rating: IP65 and IP67.

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

Integrated Muting lamp (SMO/SMPO models).

Models

SM Models

Three different configurations, selectable via different main connector wiring.

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

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

T4 (two-way Muting with 4 parallel beams sensors).

SMO Models

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

SMPO Models

Programmable via SCS software, with integrated status and Muting lamp.

Muting sensors

Two integrated Muting connectors (with four Muting inputs) in each access control barrier. When 4 sensors per side are utilised, the use of a Y-splitter is mandatory.

Muting arms with pre-wired and pre-aligned sensors for LX, L2, TX and T4 configurations.

Longer Muting arms for high-speed conveyors.

Support brackets and arms for Muting sensors (M⁵, photocells, etc.).

Partial Muting






The SMPO programmable models allows partial Muting function, hence the possibility of interdicting a number of beams in relation to the size and shape of the pallet in order to prevent dangerous access when the light curtains is in Muting condition.

ted Muting functions

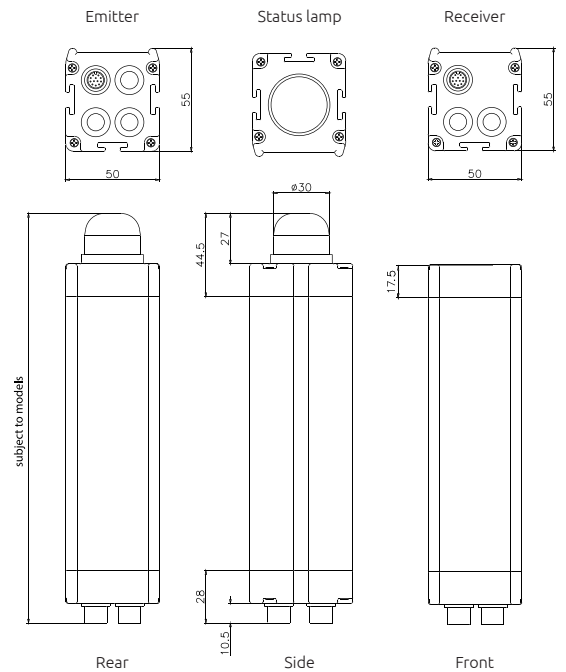
Technical characteristics

Enhancing users' experience

Integrated status lamp

- 
BREAK
 Light curtain beam interrupted
- Flashing 
FAIL
 Light curtain in error condition
- 
GUARD
 Normal status of the light curtain
- 
MUTING
 Muting beams interrupted.
 Light curtain in Muting condition
- Flashing 
OVERRIDE
 Override condition

Dimensions



Accessories

M⁵ multibeam photocell



Through-beam barrier type photocell with 5 beams.

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

With a compact metal housing and a polycarbonate protective front window it offers the right degree of robustness ideal also in the most demanding environments.

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



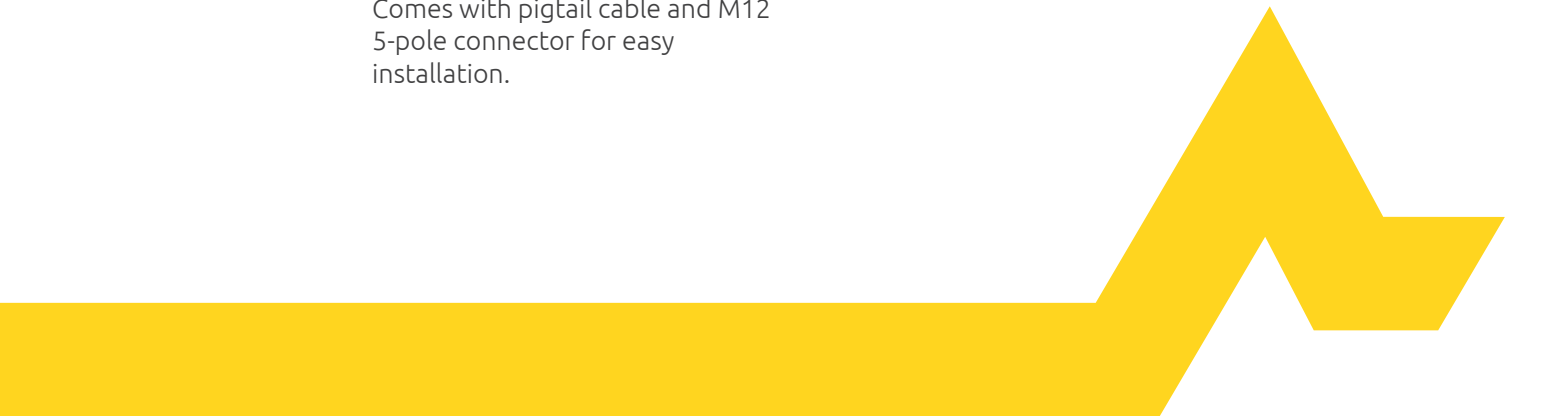
Muting arms kits

- LX arms (2 sensors)
- L2 arms (2 sensors)
- TX arms (2 sensors)
- T4 arms (4 sensors)



Muting brackets kits

- LX/2 bracket (with 2 M⁵)
- TX bracket (with 2 M⁵)
- T4 bracket (with 4 M⁵)



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More than 50 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 BS OHSAS 18001 certified.



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