

Safety. Detection. Control.



SAFEGATE 

Access Guarding Made Easy

Type 4 Muting Integrated Access Control Barrier

Flexible and scalable configuration

Hardware configuration
for most applications
Software configuration
for particular or custom applications

3 pre-configured Muting settings

Exit, 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

Configuration and auxiliary

Muting lamp connector

Allows connection to PC for
software configuration

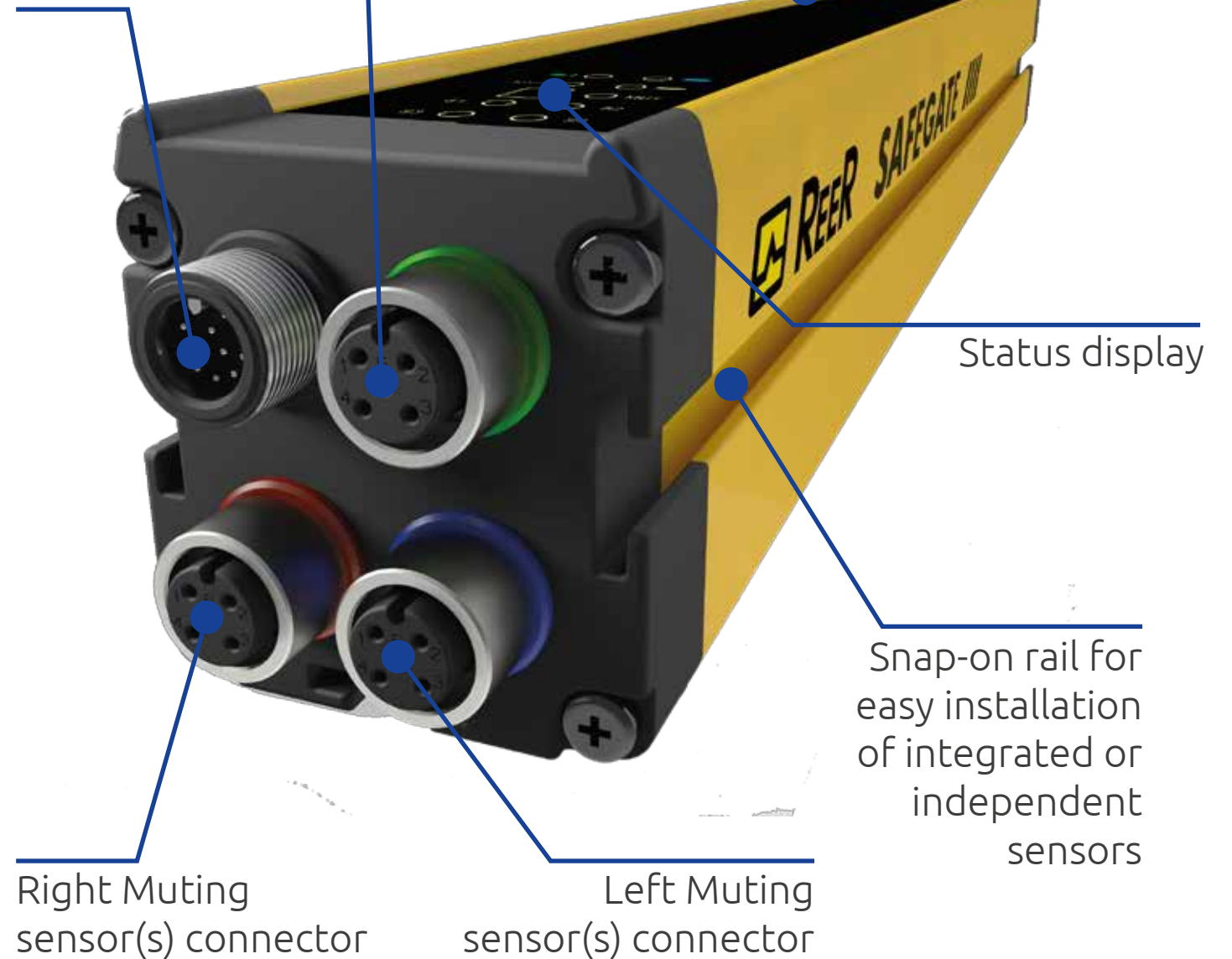
Integrated status

and Muting lamp

IP65 and IP67

Master connector

Allows hardware
configuration via
different wiring mode



Right Muting

sensor(s) connector

Left Muting

sensor(s) connector

Snap-on rail for
easy installation
of integrated or
independent
sensors

SAFETY LEVEL











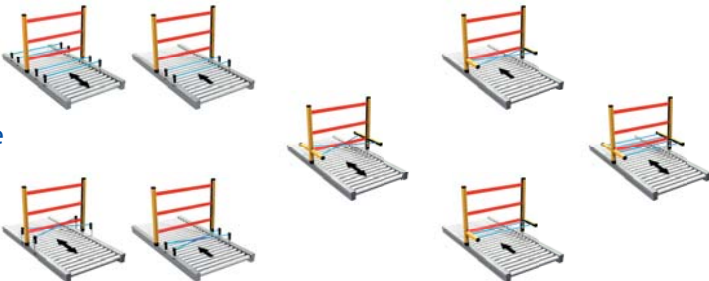
TYPE 4

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		L LX One-way Muting with 2 crossed beams sensors			
		L2 One-way Muting with 2 parallel beams sensors			
		TX Two-way Muting with 2 crossed beams sensors			
		T4 Two-way Muting with 4 parallel beams sensors			
SMP Models Software Configuration		Programmable Via SCS software			
SMPO Models Software Configuration with integrated lamp					
					

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 integra

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 perfect integration of all Muting sensors directly connected 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 (SMP/SMPO) retain the same characteristics as the SM/SMO models, allowing further configuration of additional functional parameters 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.

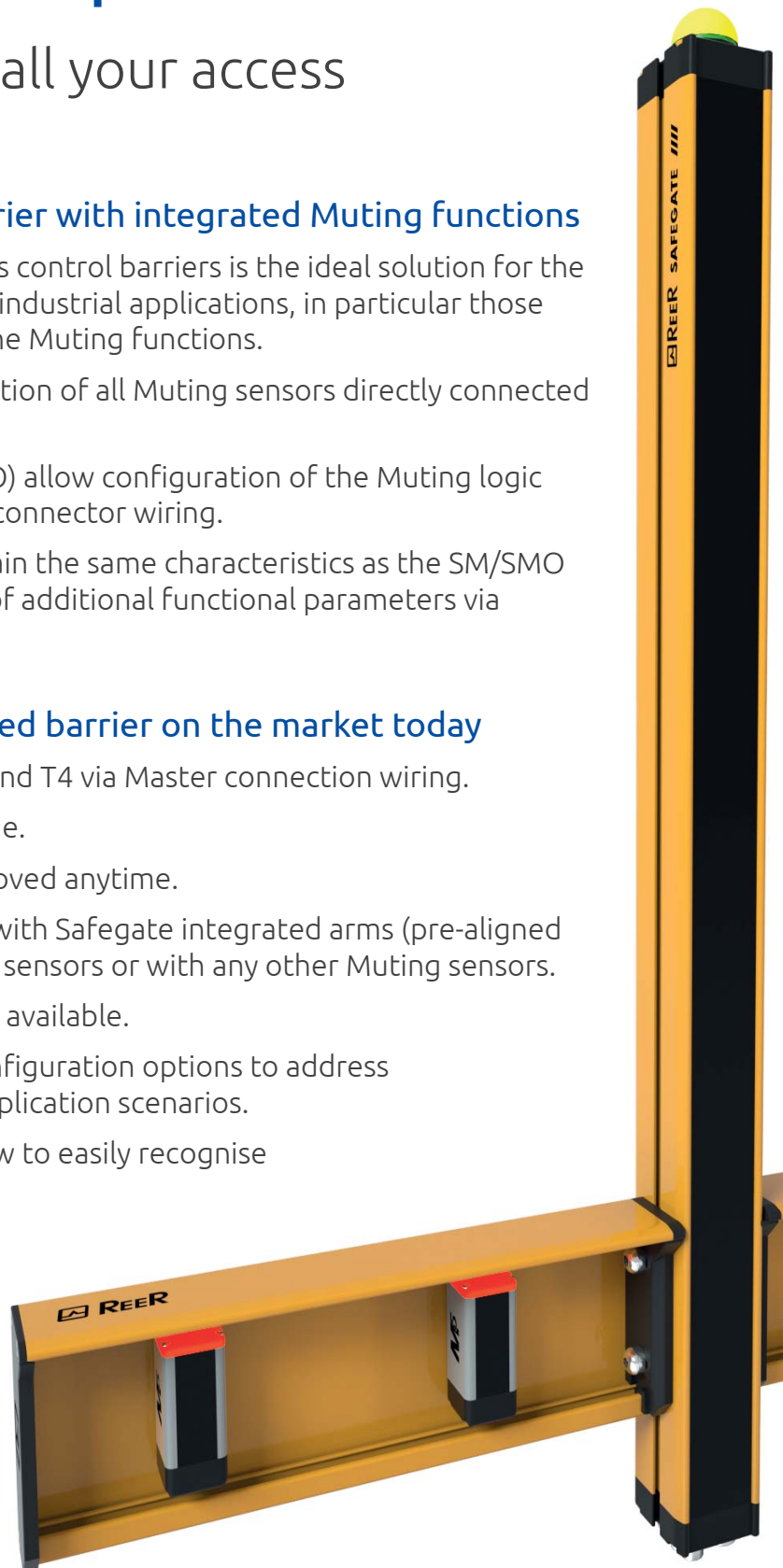
Each access control barrier can be used with Safegate integrated arms (pre-aligned and pre-configured), with M⁵ multibeam sensors or with any other Muting sensors.

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.

SMP and **SMPO**
models can be configured
via the SCS software



ted Muting functions

Main features

Outstanding characteristics

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



Showing configuration with **Muting brackets** with M⁵ multibeam photocells

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 ... 2200 mm.

Protection rating: IP65 and IP67.

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

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

Models

SM Models

Three different hardware 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.

SMP Models

Same as SM models, allows further parameters configuration via the SCS software.

SMPO Models

Same as SMP models, 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 SMP and 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.

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

Light curtain in Muting condition

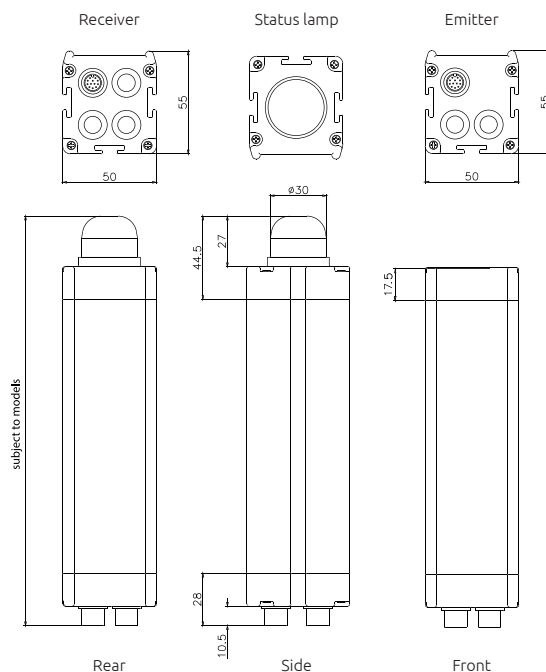
Flashing



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.

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



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)

Safety. Detection. Control.



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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