



*Your future's safe!*



your technological partner since 1959

*product overview and company profile*



Watch the video!



## Quality

ReeR is committed to continuously improving its quality management processes by minimizing the defective returns and ensuring a very high product reliability.

Product traceability and production process control are ensured by a ReeR proprietary management software.

The ReeR product quality is guaranteed by the Quality System certified by TÜV Italia according to the ISO 9001:2008 standard.

## Know-how

Technological excellence and application know-how embody the spirit of ReeR.

15% of the personnel is employed in the R&D department, with expertise in safety hardware, software and firmware.

Furthermore, ReeR is one of the main players in the standardization process development as it takes part in the most important national and international Organising Committees on machinery safety requirements.

If safety in the workplace is essential, it becomes crucial in highly automated environments.

Thanks to the experience achieved by cooperating with the world leading companies in the machine tools, automotive, packaging and palletisation industries, ReeR is able to offer a wide range of safety devices, such as: light curtains, programmable controllers, photocells and interfaces able to meet each application demand.

ReeR has always been at the forefront also in the field of optoelectronic curtains for automation, measurement and control.

## Since 1959

ReeR was established in 1959 to distribute components for industry, lighting and home automation.

By the mid-70's the first safety sensors were developed, and afterwards the first light curtains were produced.

Today ReeR is both the Italian leading company and one of the main world manufacturers of optoelectronic sensors for industrial safety.

The export activity of the Safety Division outlines the company's global expertise and its network of skilled distributors provide an accurate support service to their customers based in more than 60 countries.

[reersafety.com](http://reersafety.com)

Made in Italy  
since 1959

## Safety and Automation



## 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.

Access  
guarding

Exit-only

Entry-Exit

# SAFEGATE

*access control barriers with  
integrated Muting functions*

### 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

### New **M<sup>5</sup>** multi-beam Muting photocell

Ideal for sensing  
unconventional objects

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

### Vast range of accessories

Including special mounting brackets  
and floor mounting columns

### Flexible configuration

Hardware or Software configuration  
to cover all Muting applications

SAFETY LEVEL

**TYPE 4**

SIL 3 - SILCL 3  
PL e - Cat. 4



**TRX**  
TRANSCIVER

Versions with passive  
retro-reflective  
elements



[www.reersafety.com](http://www.reersafety.com)

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

SAFETY LEVEL  
**TYPE 4**  
SIL 1 - SILCL 1  
PL c - Cat. 4



# Safety Light Curtains

Finger, Hand and Body detection

Resolution

- 14
- 20
- 30
- 40
- 50
- 90

# Safety Light Grids

Multibeam grids for access control

Number of Beams

- 2
- 3
- 4

# EOS

*compact  
safety light  
curtains and  
grids*



## Unique features and a comprehensive range

Cascade connection of two or three light curtains

No blind area on one side

**EOS4 ATEX**  
Safety Light Curtain for explosive atmosphere

**WTF and WTHF models**  
IP69K certified  
Ecolab food-graded

**Operating range**  
Up to 20 metres

**Protected height**  
160 to 2260 mm

## Standard models

**EOS4 A**  
Type 4 Safety Light Curtains with Automatic Restart

**EOS4 AH**  
Type 4 Safety Light Curtains with Automatic Restart  
*(Longer Range)*

## Integrated functions models

**EOS4 X**  
Type 4 Safety Light Curtains with selectable Automatic/Manual Restart and EDM

**EOS4 XH**  
Type 4 Safety Light Curtains with selectable Automatic/Manual Restart and EDM  
*(Longer Range)*

# MOSAIC

*modular safety integrated controller*

- Configurable
- Scalable
- Validated

Mosaic is a safety hub able to manage all safety functions of a machinery or a plant.

Mosaic can manage safety sensors and signals such as light curtains, photocells, laser scanners, emergency stops, electromechanical switches, guard-lock safety door switches, magnetic switches, RFID switches, safety mats and edges, two-hands controls, hand grip switches, encoders and proximities for safety speed control.

Free Designer Software  
Simulator function



**Master Units**  
Can work as Stand-alone

**Full System**  
M1/M1S + 14 expansions

M1	M1S
8 digital inputs	8 digital inputs
2 double OSSD safety outputs	4 single (or 2 double) OSSD (SIL 3, PL e) safety outputs

Up to 128 Digital Inputs  
Up to 32 Fieldbus Inputs  
Up to 32 Safety Outputs  
Up to 48 Status Outputs  
Up to 128 MSD Operators

SAFETY LEVEL  
**SIL**  
SIL 3 - SIL 0  
PL e - Cat 4





# Micron

*measurement and automation  
light curtains*

● Measure

● Count

● Detect

Beam spacing

5 10

25 30

50 75

Light curtains for industrial and civil applications where it is necessary to detect, measure, and recognise objects.

Depending on the number and position of the beams engaged by an object, Micron can provide real time information to a PLC or PC in order to: **detect the presence or absence of objects, perform a count, detect a position, detect a shape or a profile, measure dimensions.**

● Micron A

**Ideal for object measurement and detection of dimensional limits.**

AV (0/10 VDC) analogue output, AC (4/20 mA) analogue output.

● Micron B

**Ideal for dimensional measurement, detection of object profile and position.**

RS 485 serial line and two solid state outputs 0/24V with programmable functions.

● Micron C

**Ideal for piece counting and detection of object presence/absence in the controlled field.**

Two solid state antivalent outputs 0/24V (ON/OFF) without the need of programming.



LEVEL

3

L 3  
L 4





*Your future's safe!*

### 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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