



Overview

Your Technological Partner Since 1959

Company Profile

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



Quality

ReeR is committed to continuously improving its quality management system by minimizing defective returns and ensuring high product reliability.

Product traceability and production process control are delivered using ReeR's proprietary management software.

Product quality is guaranteed by the TÜV certified Quality System according to the ISO 9001 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.

Safety and Automation

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.



Access control barriers with integrated Muting functions

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



- 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
- New M⁵ 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

TRX
TRANSCIEVER

Versions with passive retro-reflective elements



SAFETY LEVEL

TYPE 4

SIL 3 - SILCL 3
PL e - Cat. 4



EOS Compact safety light curtains and grids

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

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**
from 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)

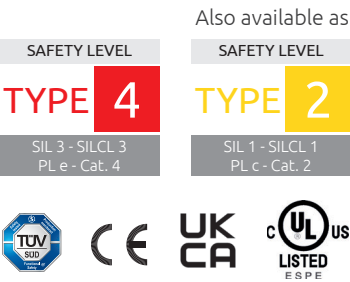
Integrated functions models

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)



R.SAFE

RFID Safety Switches

Safety switches for position control of movable guards

- **The best for series connections**
R-Safe RFID allows individual status reading without the need to individually wire the status output of each sensor.
- **The best in safety**
Tampering protection in accordance with EN ISO 14119. Screw covers prevent easy removal. IP67 and IP69K protection grade for use in harsh environments.

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/proximities for safety speed control and analogue sensors

Configurable

Scalable

Validated

- Free Designer Software
- Simulator function
- Remote connection
- Integrated field-bus interface (Mosaic M1S COM)



SAFETY LEVEL

SIL 3

SIL 3 - SILCL 3
PL e - Cat. 4



Master Units Can work as Stand-alone

Mosaic M1	Mosaic M1S	Mosaic M1S COM
8 digital inputs	8 digital inputs	8 digital inputs
2 double OSSD safety outputs	4 single (or 2 double) OSSD safety outputs	4 single (or 2 double) OSSD safety outputs
		Integrated field-bus interface

Full System Master Unit + 14 expansions

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

- The best in cost-effectiveness**
Wear-free technology allows for longer product life time.
Status LED and diagnostic output.
- The best in versatility**
Triple mounting options:
M12 connector, M12 connector with pigtail or cable.
3 different coding levels.



Micron

Measurement and automation light curtains



Beam spacing

5

10

25

30

50

75

Now with
 IO-Link

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.**

Measure

Count

Detect

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.

Micron IOL

Ideal for dimensional measurement, detection of object profile and position

Outputs with IO-Link protocol.





Your future's safe!

More than 60 years of quality and innovation

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

ReeR's steady growth since its inception is a result of being a leader in the global safety automation industry.

Today, the Safety Division is 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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