



Your future's safe!



Your Technological Partner Since 1959

product overview and company profile



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.

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.

Safety and Automation



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



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)

Flexible configuration

Hardware or Software configuration
to cover all Muting applications

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

SAFETY LEVEL

TYPE 4

SIL 3 - SILCL 3
PL e - Cat. 4



TRX
TRANSCEIVER

Versions with passive
retro-reflective
elements

www.reersafety.com

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

SAFETY LEVEL
TYPE
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/proximities for safety speed control and analogue sensors

Free Designer Software
 Simulator function
 Remote connections



Master Units
 Can work as Stand-alone

Full System
 Master Unit + 14 expansions

Mosaic M1
 8 digital inputs
 2 double OSSD safety outputs

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

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

Integrated fieldbus interface

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 4
 PL e - Cat 4



REER *Your future's safe!*



Micron

Now with **IO-Link**

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.
- **Micron IOL**
Ideal for dimensional measurement, detection of object profile and position.
Outputs with IO-Link protocol.



LEVEL
3
CL 3
c. 4
UK
CA
8120/50
UL
LISTED
SRCD
4VK5





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.



ReeR SpA
Via Carcano, 32
10153 Torino, Italy

T +39 011 248 2215
F +39 011 859 867

www.reersafety.com | info@reer.it



Issue 3 - Rev. 1.1
June 2022
8946282

Brochure OVERVIEW - English

Printed in Italy

