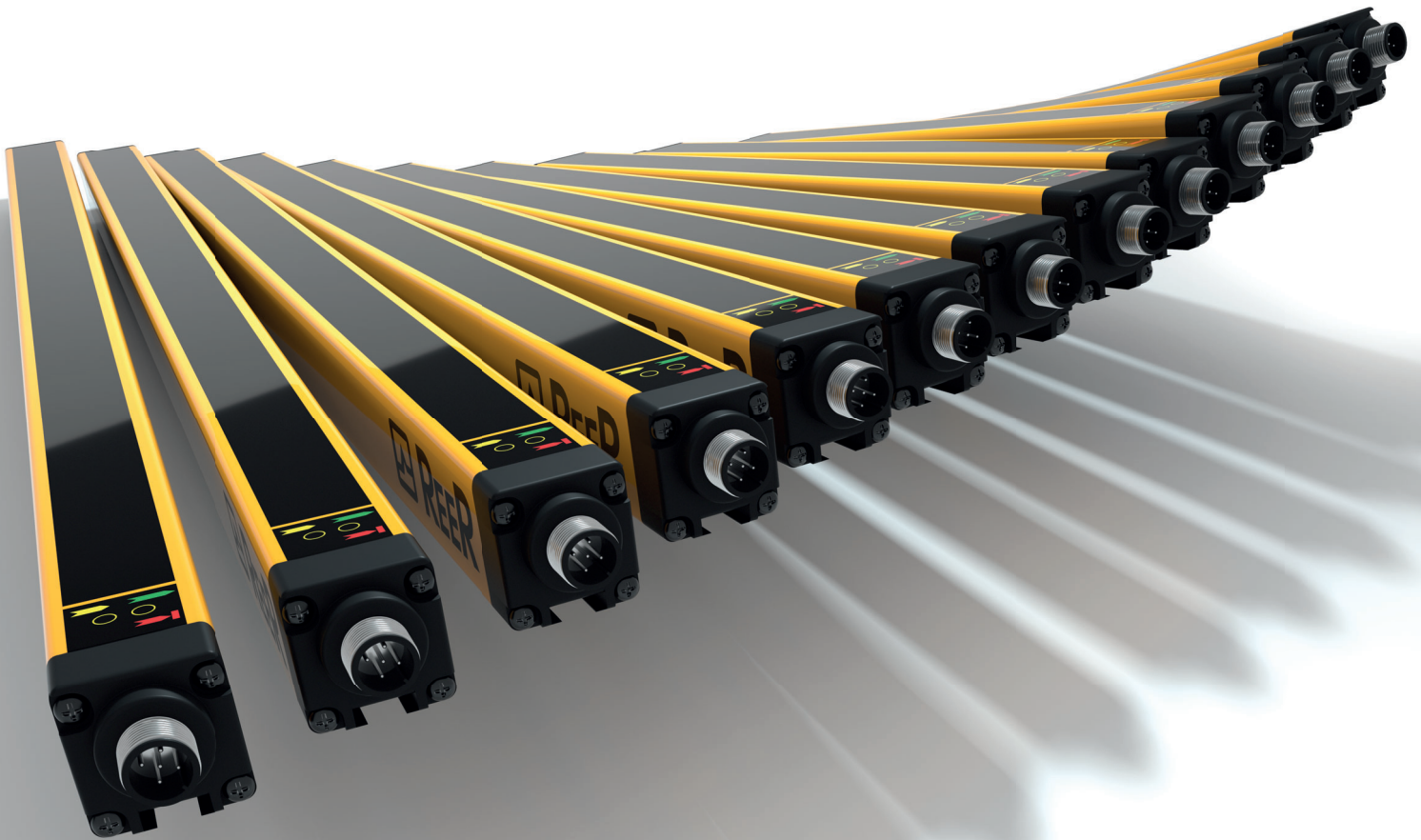




*Your future's safe!*



# EOS4

safety light curtains and grids

*short form*



Aluminum casing  
Powder-coated

-30 to +55° C  
Operating temperature  
Ideal also in cold storage facilities

IP65 and IP67

Compact size  
Only 30 x 28 mm

Protected height  
up to 2,2 metres

Status indicating display  
Including alignment aid

Caps  
Glass reinforced  
polypropylene

Hardware configuration  
No programming necessary  
Easy to install and replace

Zero-Dead-Zone  
On one side of the curtain

M12 connectors  
Cables easy to source and install  
No shielded cables needed

Finger, Hand and Body detection  
and Multibeam for access control  
The most comprehensive range  
in today's market

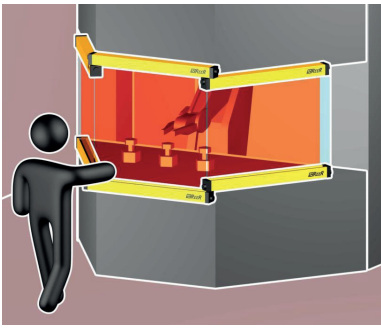
SAFETY LEVEL	Also available as SAFETY LEVEL
<b>TYPE 4</b>	<b>TYPE 2</b>
SIL 3 - SILCL 3 PL e - Cat. 4	SIL 1 - SILCL 1 PL c - Cat. 2



# EOS4

safety light curtains and grids

one simple product range to cover  
most of today's industrial applications

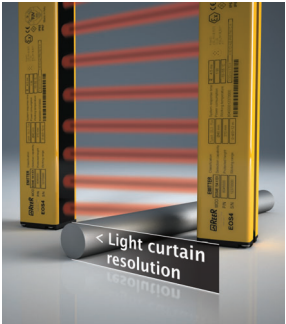


### Cascade connection of two or three light curtains

No optical interference between the light curtains.

Possibility of combining different resolutions and protected heights.

Connection cable between Master and Slave up to 50 m long.



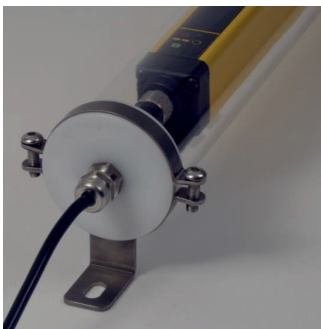
### No blind area on one side

Minimal blind area on connector side.

The protected area extends until the light curtain end maintaining the resolution.

L-mounted light curtains maintain 40 mm resolution (hand detection) in corner (models with resolution 30 and 40 mm).

## Unique features and a comprehensive range



### WTF and WTHF models (IP69K certified, Ecolab food-graded)

Watertight enclosures allow light curtains and light grids to be used in a harsh working environments with exposure to water and steam.

The use of inert and non-toxic components allow WTF and WTHF enclosures to be used in the Food & Beverage industry, where frequent washdown procedures are requested.



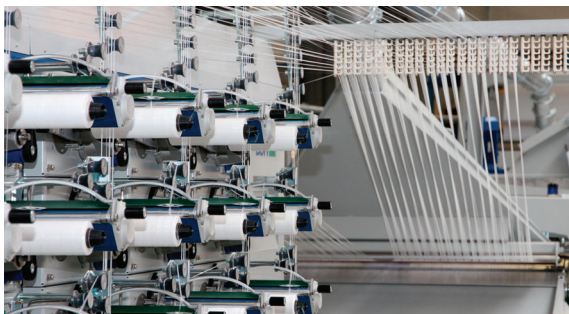
### EOS4 ATEX, Safety Light Curtain for explosive atmosphere

Ideal for access protection in environments with potentially explosive atmosphere.

Type 4, SIL 3, PL e Safety Light Curtains and Grids.

Classified Zone 2, 22, ATEX (2014/34/UE directive).

Gas: II 3G Ex nA IIC T6 Gc, Dust: II 3D Ex tc IIIC T 60°C Dc.



### T Models (Textile)

Special models resistant to high vibrations for applications in the textile industry.

These models are able to maintain the alignment of the beams also the presence of strong mechanical stresses and vibrations.

type 4 safety light curtains and grids

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



## Typical applications

EOS4 is the ideal choice for many printing, paper, logistics, metalwo

# Safety Light Curtains

## Finger, Hand and Body detection

### EOS4 (Type 4)

#### EOS4 A and EOS4 X

Resolution: 14, 30, 40, 50, 90 mm  
Protected height: 160 ... 2260 mm  
Range: 6 to 12 m

#### EOS4 AH and EOS4 XH

Resolution: 20, 30, 40, 50, 90 mm  
Protected height: 160 ... 2260 mm  
Range: 20 m

### Other available versions

#### EOS2 (Type 2)

Available as Type 2, SIL 1, SILCL 1, PL c, Cat. 2

#### WTF and WTHF

Watertight models IP69K certified, Ecolab food-graded

#### ATEX (EOS4 only)

Explosion-proof Type 4 models (Zone 2, 22)

### Available accessories

Connecting cables  
Special mounting brackets  
Floor mounting columns  
Heavy-duty protection screens  
Laser alignment aid

### 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)

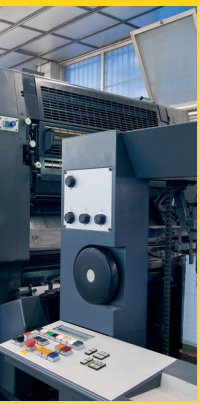
### Cascading models

#### EOS4 XM

Type 4 Safety Light Curtains with selectable  
Automatic/Manual Restart and EDM  
(To be used as Master in Cascade configurations)

#### EOS4 XS/XS2

Type 4 Safety Light Curtains with selectable  
Automatic/Manual Restart and EDM  
(To be used as Primary (XS) or Secondary (XS2) Slave in  
Cascade configurations)



Industrial applications, including: food & beverage, packaging, pharmaceuticals, printing, woodworking, chemicals, injection moulding and many more ...

# Safety Light Grids

## Multibeam grids for access control

### EOS4 (Type 4)

#### EOS4 2B, 3B, 4B A and X

Number of beams: 2, 3, 4 beams  
Protected height: 510 ... 910 mm  
Range: 12 m

#### EOS4 2B, 3B, 4B AH and XH

Number of beams: 2, 3, 4 beams  
Protected height: 510 ... 910 mm  
Range: 20 m

### Other available versions

#### EOS2 (Type 2)

Available as Type 2, SIL 1, SILCL 1, PL c, Cat. 2

#### WTF and WTHF

Watertight models IP69K certified, Ecolab food-graded

#### ATEX (EOS4 only)

Explosion-proof Type 4 models (Zone 2, 22)

### Available accessories

Connecting cables  
Special mounting brackets  
Floor mounting columns  
Heavy-duty protection screens  
Laser alignment aid

### Standard models

#### EOS4 A

Type 4 Safety Light Grids with Automatic Restart

#### EOS4 AH

Type 4 Safety Light Grids with Automatic Restart  
(Longer Range)

### Integrated functions models

#### EOS4 X

Type 4 Safety Light Grids with selectable  
Automatic/Manual Restart and EDM

#### EOS4 XH

Type 4 Safety Light Grids with selectable  
Automatic/Manual Restart and EDM (Longer Range)

### Cascading models

#### EOS4 XM

Type 4 Safety Light Grids with selectable  
Automatic/Manual Restart and EDM  
(To be used as Master in Cascade configurations)

#### EOS4 XS/XS2

Type 4 Safety Light Grids with selectable  
Automatic/Manual Restart and EDM  
(To be used as Primary (XS) or Secondary (XS2) Slave in  
Cascade configurations)

# EOS4

# Main features

- Minimal cross section: 28 x 30 mm
- No blind area on one side
- Operating temperature range: -30 ... 55 °C
- Protection grade: IP65 and IP67
- Start-up time:  $\leq 2$  sec
- Master/Slave models for cascade connection of 2 or 3 curtains





*Your future's safe!*

### More than 60 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 ISO 45001 certified.



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