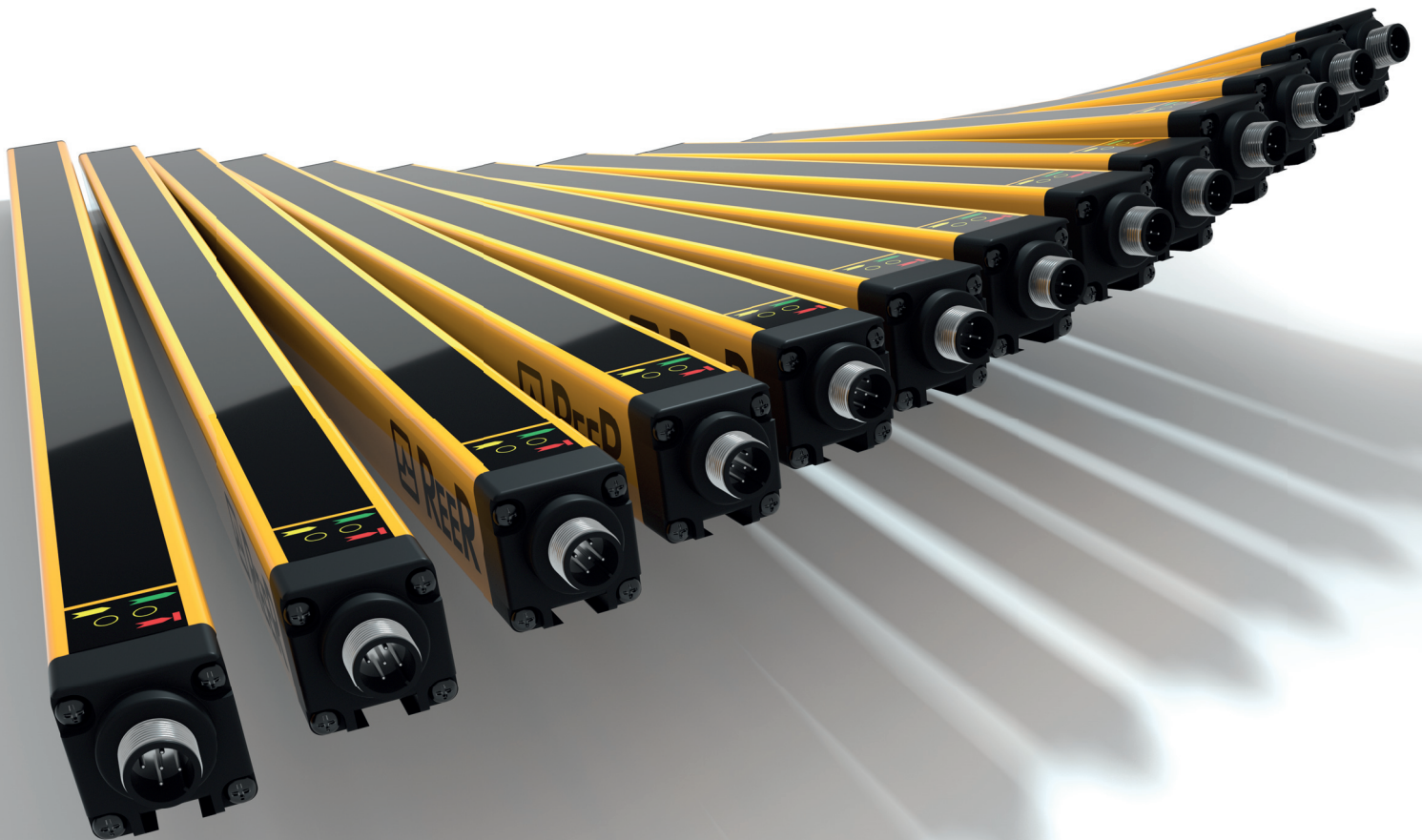




Your future's safe!



EOS4

safety light curtains and grids

Short form

Unique features and a comprehensive range

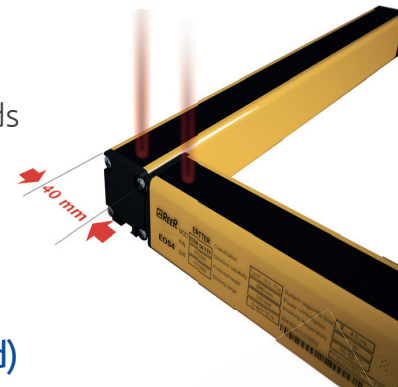
Cascade connection of two or three light curtains

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).



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 - Explosion-proof safety light curtains

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.



Models T - High vibrations

Special models resistant to high vibrations i.e. 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.



- 1 Aluminum casing (Powder-coated)
- 2 Hardware configuration. No programming necessary. Easy to install and replace
- 3 Operating temperature : -30 to +55° C
Ideal also in cold storage facilities
- 4 Finger, Hand and Body detection and Multibeam for access control
The most comprehensive range in today's market
- 5 Compact size:
Only 30 x 28 mm
- 6 Protected height up to 2,2 metres
- 7 IP65 and IP67

- 8 Caps: Glass reinforced polypropylene
- 9 Zero-Dead-Zone on one side of the curtain
- 10 Status indicating display Including alignment aid
- 11 M12 connectors - Cables easy to source and install
No shielded cables needed



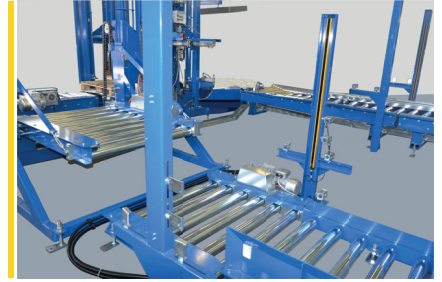
The ideal choice for multiple industrial applications



Typical applications

EOS4 is the ideal choice for many industrial applications, including: food & beverage, packaging, pharmaceuticals, printing, paper, logistics, metalworking, woodworking, chemicals, injection moulding and many more ...

Packing lines



Assembly benches



Painting lines



Car washes



Perimeter control



Safety Light Curtains

Finger, Hand and Body detection



Resolution



EOS4 (Type 4)

EOS4 A and EOS4 X

Resolution:	14, 30, 40, 50, 90 mm
Protected height :	160 ... 2260 mm
Maximum range*:	4 m (low range) 12 m (high range)

EOS4 AH and EOS4 XH

Resolution:	20, 30, 40, 50, 90 mm
Protected height:	160 ... 2260 mm
Maximum range:	10 m (low range) 20 m (high range)

Access control



Number of beams



EOS4 (Type 4)

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

Number of beams:	2, 3, 4 beams
Protected height:	510 ... 910 mm
Maximum range:	4 m (low range) 12 m (high range)

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

Number of beams:	2, 3, 4 beams
Protected height:	510 ... 910 mm
Maximum range:	10 m (low range) 20 m (high range)

*Models with 14 mm resolution

Maximum range	3 m (low range) 6 m (high range)
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Models

Standard models

EOS4 A

Type 4 Safety Light Grids with Automatic Restart

EOS4 AH

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

High Vibrations models

EOS4 AT

Type 4 safety barrier with automatic restart, resistant to high vibrations

EOS4 XT

Type 4 safety barrier with selectable automatic/manual restart and EDM (External Device Monitoring), resistant to high vibrations

Low range ATL and XTL models also available

Other available versions

EOS2 (Type 2)

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

WTF e WTHF

Watertight models IP69K certified, Ecolab food-graded

ATEX (EOS4 only)

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

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)

Master/Slave models

(for cascading connection)

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)

Available accessories

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

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: ≤ 2 sec
- Master/Slave models for cascade connection of 2 or 3 curtains



SAFETY LEVEL

TIPO

4

SIL 3 - SILCL 3
PL e - Cat. 4

Also available

SAFETY LEVEL

TYPE

2

SIL 1 - SILCL 1
PL c - Cat. 2





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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