EOS4

Safety Light Curtains and Grids

Type 4, SIL 3, SILCL 3, PL e, Cat. 4

REER

SAFETY LEVEL

TYPE 4

SIL 3 - SILCL 3
PL e - Cat. 4

Also available as
SAFETY LEVEL

TYPE 2

SIL 1 - SILCL 1
PL c - Cat. 2

IP65 and IP67

Zero-Dead-Zone
On one side of the curtain

Aluminum casing
Powder-coated

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

Compact size
Only 30 x 28 mm

new Protected height
up to 2,2 metres

Status indicating display
Including alignment aids

Caps
Glass reinforced polypropylene

Hardware configuration
No programming necessary
Easy to install and replace

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

M12 connectors
Cables easy to source and replace

EOS4
safety light curtains and grids

RoHS Compliant   CE   TÜV SÜD   c UL us LISTED   TS   S

one simple product range to cover
most of today's industrial applications
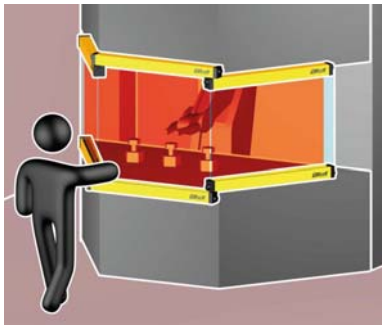
Cascade connection of two or three light curtains

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

EOS4 ATEX, Safety Light Curtain for explosive atmosphere

Ideal for access protection in environments with potentially explosive atmosphere.

Type 4, SIL 3, PLe Safety Light Barrier.

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.

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.

ECOLAB®

Type 4 safety light curtains and grid

www.reersafety.com

Typical applications

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

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)
Also 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 for dangerous areas

Available accessories
Connecting cables
Mounting brackets
Floor mouting columns
Screen protection films

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*)

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)
Also 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 for dangerous areas

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Mounting brackets
Floor mouting columns
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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

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Type 4 Safety Light Grids with selectable
Automatic/Manual Restart and EDM
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EOS4 XS/XS2
Type 4 Safety Light Grids with selectable
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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 ≤ 2 sec

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

Safety. Detection. Control.

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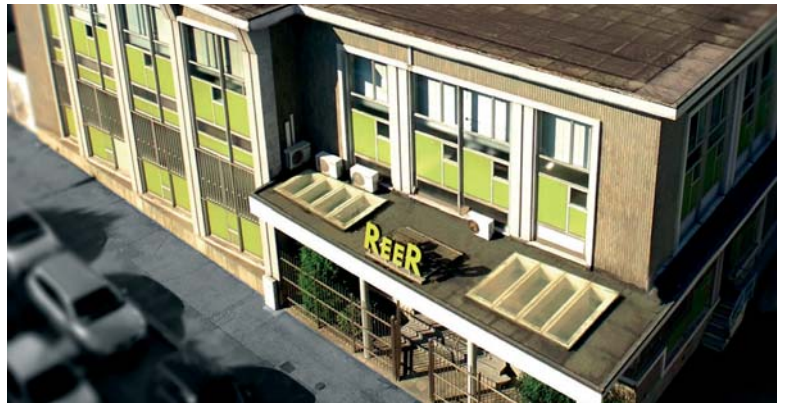F +39 011 859 867

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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.

Made in Italy
since 1959