

Safety. Detection. Control.



EOS4

Safety Light Curtains and Grids

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

 **REER**

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

Aluminum casing
Powder-coated for high aging resistance

Zero-Dead-Zone
On one side of the curtain



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

Compact size
Only 30 x 28 mm



Protected height
up to 2,2 metres

Status indicating display
Including alignment aids

IP65 and IP67

Hardware configuration
No programming necessary
Easy to swap 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

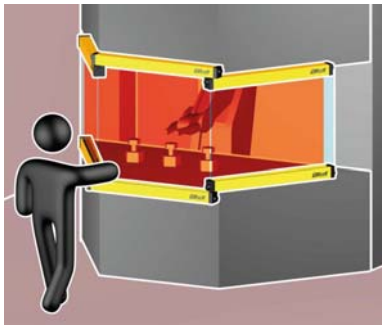
EOS

safety light curtains
and access control barriers



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

www.reersafety.com



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.

Thanks to the position of the 1st beam the protected area extends until the light curtain end maintaining the resolution. 2 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.

Thanks to its inert (non-toxic) components, no residuals are left when the light curtains are washed down or when they come directly in contact with food.

This makes WTF and WTHF enclosures suitable for the Food & Beverage industry.

safety light curtains and access con

www.reersafety.com



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 ...

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 to 2260 mm
Range: 6 to 12 m

EOS4 AH and EOS4 XH

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

EOS2 (Type 2)

Also available as Type 2, SIL 1, SILCL 1, PL c, Cat. 2

ATEX (EOS4 only)

Explosion proof Type 4 models for dangerous areas available

WTH

Watertight models IP69K certified, Ecolab food-graded

Accessories available

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 Automatic/Manual Restart and EDM

EOS4 XH

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

Cascading models

EOS4 XM

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

EOS4 XS/XS2

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

Access Control Barriers

2, 3 and 4 beams safety light grids

EOS4 (Type 4)

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

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

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

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

EOS2 (Type 2)

Also available as Type 2, SIL 1, SILCL 1, PL c, Cat. 2

ATEX (EOS4 only)

Explosion proof Type 4 models for dangerous areas available

WTH

Watertight models IP69K certified, Ecolab food-graded

Accessories available

Connecting cables
Mounting brackets
Floor mouting columns
Screen protection films

Standard models

EOS4 2B, 3B, 4B A

Type 4 Multibeam Access Control Barrier with Automatic Restart

EOS4 2B, 3B, 4B AH

Type 4 Multibeam Access Control Barrier with Automatic Restart (Longer Range)

Integrated functions models

EOS4 2B, 3B, 4B X

Type 4 Multibeam Access Control Barrier with Automatic/Manual Restart and EDM

EOS4 2B, 3B, 4B XH

Type 4 Multibeam Access Control Barrier with Automatic/Manual Restart and EDM (Longer Range)

Cascading models

EOS4 2B, 3B, 4B XM

Type 4 Multibeam Access Control Barrier with Automatic/Manual Restart and EDM (To be used as Master in Cascade configurations)

EOS4 2B, 3B, 4B XS/XS2

Type 4 Multibeam Access Control Barrier with Automatic/Manual Restart and EDM (To be used as Primary (XS) or Secondary (XS2) Slave in Cascade configurations)

control barriers

EOS4

Main features

Minimal cross section: 28 x 30 mm.

No blind area on one side.

Minimal blind area on connector side.

Operating temperature range -30 to 55 °C.

Protection grade IP65 and IP67.

Start-up time ≤ 2 sec.

Master/Slave models for cascade connections of 2 or 3 curtains.



Safety. Detection. Control.



ReeR SpA

Via Carcano, 32

10153 Torino

Italy

T +39 011 248 2215

F +39 011 859 867

www.reersafety.com | info@reer.it



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.



Rev. 1.0
October 2016
8946238
Printed in Italy

Brochure EOS English

ReeR SpA does not guarantee that product information in this catalogue are the most current available. ReeR SpA reserves the right to make changes to the products described without notice and assumes no liability as a result of their use or application. Our goal is to keep the information on this catalogue timely and accurate, however ReeR SpA accepts no responsibility or liability whatsoever with regard to the information on this catalogue. Reproduction is not authorised, except with the expressed permission of ReeR SpA.