

## Datasheet - SLG 440-E/R0500-02-01

Safety light curtains, Safety light grids / Safety light grids / SLG 440



(Minor differences between the printed image and the original product may exist!)

- Safety type 4 in accordance with IEC 61496-1
- User-friendly parameter setting, no tools required
- Reliable safety concept in case of interferences (EMC, welding sparks)
- Process safety with highest availability
- Integrated set-up tool

### Ordering details

Product type description	SLG 440-E/R0500-02-01
Article number	101216821
EAN code	4030661415536

### Approval

Approval



### Classification

Standards	EN ISO 13849-1, EN 62061
PL	up e
Control category	up 4
PFH value	5.14 x 10 <sup>-9</sup> /h
SIL	up 3
Mission time	20 Years

### Global Properties

Product name	SLG 440 Sicherheits-Lichtgitter
Standards	EN 61496-1; CLC/TS 61496-2
Compliance with the Directives (Y/N) 	Yes

Operating resource protection class	Protection class 3
Safety type in accordance with IEC 61496-1	4
Materials	
- Material of the housings	Aluminium
Weight	
Beam coding (Y/N)	Yes
Protection field height	500 mm
Range of the protection field	300 - 12000 mm
Reaction time	10 ms
Wave length of the sensors	880
Fade-out is possible (Y/N)	No
Override possible (Y/N)	No
reduced resolution (Y/N)	No
Clock control possible (Y/N)	No
Muting possible (Y/N)	No
Restart block (Y/N)	Yes
Master/slave function	No
Cascadable (Y/N)	No
Monitoring function of downstream devices (Y/N)	Yes
Recommended safety-monitoring module	SRB 301MC

### Mechanical data

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Detection ability for test bodies	500 mm
Number of beams	2 piece
Design of electrical connection	Connector
- Wiring of the transmitter	connector plug M12, 4-pole
- Wiring of the receiver	connector plug M12, 8-pole
Cable length	100 m

### Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-10 °C
- Max. environmental temperature	+50 °C
Storage and transport temperature	
- Min. Storage and transport temperature	-25 °C
- Max. Storage and transport temperature	+70 °C
Protection class	IP67 to IEC/EN 60529

### Electrical data

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Design of output switching element OSSD	PNP
Power consumption	
- Power consumption Transmitter	1.8 W
- Power consumption Receiver	3.8 W
Voltage type	DC
Switching voltage of the OSSD in high state	24 V ± 10%

### Outputs

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Max. output current at secured output	250 mA
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### Electrical data - Safety outputs

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Number of secure semi-conductor outputs	2 piece
Number of secure outputs with contact	0 piece

### LED switching conditions display

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LED switching conditions display (Y/N)	Yes
- Status and diagnostics	Yes
- 7-segment display	

### ATEX

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Explosion protection categories for gases	None
Explosion protected category for dusts	None

### Dimensions

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Dimensions of the sensor	
- Width of sensor	27.8 mm
- Height of sensor	610 mm
- Length of sensor	33 mm

### notice

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In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.

### Included in delivery

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Delivery scope of disposable system	Transmitter + receiver, Mounting angle
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### Ordering code

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SLG 440-E/R(1)-01

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<b>0500-02</b>	Distance between outermost beams 500 mm, 2-beam
<b>0800-03</b>	Distance between outermost beams 800 mm, 3-beam
<b>0900-04</b>	Distance between outermost beams 900 mm, 4-beam

### Documents

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**Operating instructions and Declaration of conformity (de)** 625 kB, 20.06.2012

Code: mrl\_slg440\_de

**Operating instructions and Declaration of conformity (en)** 550 kB, 20.06.2012

Code: mrl\_slg440\_en

**Operating instructions and Declaration of conformity (fr)** 573 kB, 08.03.2012

Code: mrl\_slg440\_fr

**Operating instructions and Declaration of conformity (es)** 546 kB, 21.08.2012

Code: mrl\_slg440\_es

**Operating instructions and Declaration of conformity (it)** 545 kB, 23.07.2012

Code: mrl\_slg440\_it

**Operating instructions and Declaration of conformity (jp)** 679 kB, 24.07.2012

Code: mrl\_slg440\_jp

**Operating instructions and Declaration of conformity (pt)** 544 kB, 07.09.2012

Code: mrl\_slg440\_pt

**Operating instructions and Declaration of conformity (da)** 551 kB, 06.09.2012

Code: mrl\_slg440\_da

**Brochure (it)** 808 kB, 02.04.2012

Code: b\_slcp06\_it

**Brochure (es)** 1 MB, 01.02.2012

Code: b\_slcp06\_es

**Brochure (pl)** 803 kB, 12.03.2012

Code: b\_slcp06\_pl

**Brochure (en)** 1 MB, 27.03.2012

Code: b\_slcp06\_en

**Brochure (fr)** 783 kB, 20.03.2012

Code: b\_slcp06\_fr

**Brochure (pt)** 808 kB, 02.04.2012

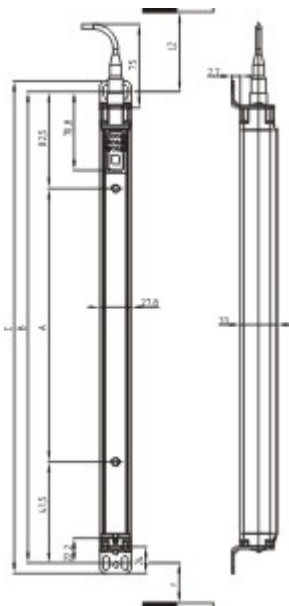
Code: b\_slcp06\_pt

**Brochure (de)** 1 MB, 14.11.2011

Code: b\_slcp06\_de

## Images

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Dimensional drawing (basic component)

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## System components

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### Safety control modules



#### SRB 301MC

- Fit for signal evaluation of outputs of safety magnetic switches
  - 3 safety contacts, STOP 0
  - 1 Signalling output
  - Suitable for signal processing of potential-free outputs, e.g. emergency stop command devices, position switches and solenoid interlocks
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### Connector



#### A-K8M12

- Pre-wired cable
  - 8-pole
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#### A-K4M12

- Pre-wired cable
  - 4-pole
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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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