

## Datasheet - SLG440-ER-0900-04-01

Safety light curtains, Safety light grids / Safety light grids / SLG440



- 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

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

### Ordering details

Product type description	SLG440-ER-0900-04-01
Article number	101216823
EAN Code	4030661415550
eCl@ss	27-27-27-03

### 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> /
SIL	up 3
Mission time	20 Years

### Global Properties

Permanent light	SLG440 Sicherheits-Lichtgitter
Standards	EN 61496-1; EN 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	1500
Beam coding (Y/N)	Yes
Protection field height	900
Range of the protection field	300 - 12000
Reaction time	10
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 301

## Mechanical data

Detection ability for test bodies	300
Number of beams	4
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

## Ambient conditions

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

## Electrical data

Design of output switching element OSSD	PNP
Power consumption	
- Power consumption Transmitter	< 5
- Power consumption Receiver	< 10
Voltage type	DC
Switching voltage of the OSSD in high state	24 ± 10

## Outputs

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

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

### LED switching conditions display

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

### 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
- Height of Receiver	1020
- Height of transmitter	1010
- Length of sensor	33

### 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

(1)

<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** (en) 508 kB, 22.03.2016

Code: mrl\_slg440\_en

**Operating instructions and Declaration of conformity** (nl) 588 kB, 01.08.2018

Code: mrl\_slg440\_nl

**Operating instructions and Declaration of conformity** (de) 496 kB, 22.03.2016

Code: mrl\_slg440\_de

**Operating instructions and Declaration of conformity (cs)** 505 kB, 24.03.2014

Code: mrl\_slg440\_cs

**Operating instructions and Declaration of conformity (fr)** 521 kB, 01.08.2016

Code: mrl\_slg440\_fr

**Operating instructions and Declaration of conformity (pt)** 511 kB, 18.05.2017

Code: mrl\_slg440\_pt

**Operating instructions and Declaration of conformity (pl)** 529 kB, 01.08.2016

Code: mrl\_slg440\_pl

**Operating instructions and Declaration of conformity (jp)** 605 kB, 09.10.2017

Code: mrl\_slg440\_jp

**Operating instructions and Declaration of conformity (es)** 508 kB, 14.04.2016

Code: mrl\_slg440\_es

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

Code: mrl\_slg440\_da

**Operating instructions and Declaration of conformity (it)** 508 kB, 19.04.2016

Code: mrl\_slg440\_it

**BG-test certificate (en, de)** 1 MB, 25.03.2015

Code: z\_slcp03

**Brochure (it)** 2 MB, 01.03.2018

Code: b\_optoshort\_it

**Brochure (pt)** 2 MB, 26.10.2018

Code: b\_optoshort\_pt

**Brochure (es)** 2 MB, 23.10.2018

Code: b\_optoshort\_es

**Brochure (fr)** 2 MB, 20.11.2018

Code: b\_optoshort\_fr

**Brochure (en)** 2 MB, 23.10.2018

Code: b\_optoshort\_en

**Brochure (pl)** 2 MB, 03.08.2018

Code: b\_optoshort\_pl

**Brochure (de)** 2 MB, 22.10.2018

Code: b\_optoshort\_de

**Brochure (pt)** 1 MB, 12.04.2018

Code: b\_slc440-familie\_pt

**Brochure (cn)** 1 MB, 12.04.2018

Code: b\_slc440-familie\_cn

**Brochure** (de) 917 kB, 04.07.2018

Code: b\_slc440-familie\_de

**Brochure** (en) 1 MB, 04.07.2018

Code: b\_slc440-familie\_en

**Brochure** (fr) 1 MB, 12.04.2018

Code: b\_slc440-familie\_fr

**Brochure** (es) 1 MB, 12.04.2018

Code: b\_slc440-familie\_es

**Brochure** (nl) 1 MB, 04.07.2018

Code: b\_slc440-familie\_nl

**Brochure** (it) 1 MB, 12.04.2018

Code: b\_slc440-familie\_it

**EAC certification** (ru) 772 kB, 05.10.2015

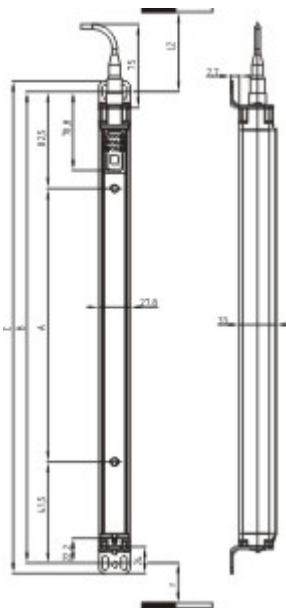
Code: q\_6395p17\_ru

**EAC certification** (ru) 1 MB, 15.03.2018

Code: q\_slbp01

## 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 outputs connected to potentials (AOPDs), e.g. safety light grids/curtains

- Suitable for signal processing of potential-free outputs, e.g. emergency stop command devices, position switches and solenoid interlocks
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## Connector



### KA-08

- for Transmitter
  - Pre-wired cable
  - 4-pole
  - for SLC/SLG
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### KA-09

- Pre-wired cable
  - 8-pole
  - for SLC/SLG
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The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 13.02.2019 - 14:22:12h Kasbase 3.3.0.F.64I