

## Datasheet - SLG440COM-ER-0500-02

Safety light curtains, Safety light grids / Safety light grids / SLG440COM



(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	SLG440COM-ER-0500-02
Article number	103004060
EAN Code	4030661435725
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	8.05 x 10 <sup>-9</sup> /
SIL	up 3
Mission time	20 Years

### Global Properties

Permanent light	SLG440COM 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	800
Beam coding (Y/N)	No
Protection field height	500
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	SRB301

## Mechanical data

Detection ability for test bodies	500
Number of beams	2
Design of electrical connection	Connector
- Wiring of the transmitter	connector plug M12, 4-pole
- Wiring of the receiver	connector plug M12, 5-pole
Cable length	100

## Ambient conditions

Ambient temperature	
- Min. environmental temperature	-10
- 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

---

Max. output current at secured output	250
---------------------------------------	-----

### Electrical data - Safety outputs

---

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

### LED switching conditions display

---

LED switching conditions display (Y/N)	Yes
- Status and diagnostics	Yes
- 7-segment display	No

### ATEX

---

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

### Dimensions

---

Dimensions of the sensor	
- Width of sensor	27.8
- Height of sensor	571
- Length of sensor	33

### notice

---

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

### Included in delivery

---

Delivery scope of disposable system	Transmitter + receiver, Mounting angle
-------------------------------------	--

### Ordering code

---

SLG440COM-ER-(1)

(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

---

**Operating instructions and Declaration of conformity (es)** 415 kB, 25.09.2017

Code: mrl\_slc-slg440com\_es

**Operating instructions and Declaration of conformity (br)** 407 kB, 03.02.2015

Code: ace\_mrl\_slc-slg440com\_br

**Operating instructions and Declaration of conformity (fr)** 452 kB, 16.10.2017

Code: mrl\_slc-slg440com\_fr

**Operating instructions and Declaration of conformity** (de) 400 kB, 13.09.2017

Code: mrl\_slc-slg440com\_de

**Operating instructions and Declaration of conformity** (cn) 649 kB, 23.11.2018

Code: mrl\_slc-slg440com\_cn

**Operating instructions and Declaration of conformity** (jp) 505 kB, 09.10.2017

Code: mrl\_slc-slg440com\_jp

**Operating instructions and Declaration of conformity** (it) 447 kB, 16.10.2017

Code: mrl\_slc-slg440com\_it

**Operating instructions and Declaration of conformity** (pt) 436 kB, 16.10.2017

Code: mrl\_slc-slg440com\_pt

**Operating instructions and Declaration of conformity** (pl) 469 kB, 02.03.2018

Code: mrl\_slc-slg440com\_pl

**Operating instructions and Declaration of conformity** (en) 416 kB, 13.09.2017

Code: mrl\_slc-slg440com\_en

**Operating instructions and Declaration of conformity** (nl) 448 kB, 02.03.2018

Code: mrl\_slc-slg440com\_nl

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

Code: z\_slcp04

**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** (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

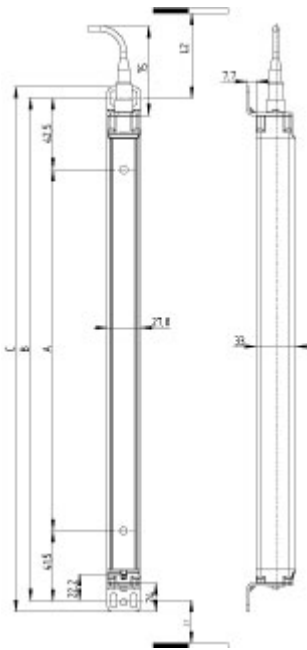
Code: b\_slc440-familie\_nl

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

Code: b\_slc440-familie\_it

## Images

---



Dimensional drawing (basic component)

---

K.A. Schmersal GmbH & Co. KG, Mödinghofe 30, D-42279 Wuppertal

The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 13.02.2019 - 14:22:15h Kasbase 3.3.0.F.64I