

## Datasheet - SLC440COM-ER-1050-14

Safety light curtains, Safety light grids / Safety light curtains / SLC440COM



- 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	SLC440COM-ER-1050-14
Article number	103003904
EAN Code	4030661435121
eCl@ss	27-27-27-04

### 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	SLC440COM Sicherheits-Lichtvorhang
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	1600
Beam coding (Y/N)	No
Protection field height	1050
Range of the protection field	300 - 7000
Reaction time	20
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	14
Number of beams	104
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
Integrated contactor control (Y/N)	No

## 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 1091

- 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

## Indication legend

---

A: total length (Protection field height + 81 mm)

A: total length (Protection field height + 81 mm)

## Ordering code

---

SLC440COM-ER(1)-(2)

(1)

0330 Protection field height 330 mm

0410 Protection field height 410 mm

0490 Protection field height 490 mm

0570 Protection field height 570 mm

0650 Protection field height 650 mm

0730 Protection field height 730 mm

0810 Protection field height 810 mm

0890 Protection field height 890 mm

0970	Protection field height 970 mm
1050	Protection field height 1050 mm
1130	Protection field height 1130 mm
1210	Protection field height 1210 mm
1290	Protection field height 1290 mm
1370	Protection field height 1370 mm
1450	Protection field height 1450 mm
1530	Protection field height 1530 mm <i>(Only for Resolution 30 mm, 35 mm)</i>
1610	Protection field height 1610 mm <i>(Only for Resolution 30 mm, 35 mm)</i>
1690	Protection field height 1690 mm <i>(Only for Resolution 30 mm, 35 mm)</i>
1770	Protection field height 1770 mm <i>(Only for Resolution 30 mm, 35 mm)</i>
(2)	
14	Resolution 14 mm, Range 0,3 m ... 7 m
30	Resolution 30 mm, Range 0,3 m ... 10 m
35	Resolution 35 mm, Range 0,3 m ... 7 m

## 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, 20.02.2019

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)

---



Dimensional drawing (basic component)

---



Dimensional drawing (miscellaneous)

---



Wiring example

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 11.04.2019 - 23:12:46h Kasbase 3.3.0.F.64I