

Datasheet - SLG440COM-ER-0900-04

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-0900-04
Article number	103004064
EAN code	4030661435763
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	8.05×10^{-9} /h
SIL	up 3
Mission time	20 Years

Global Properties

Product name	SLG440COM Sicherheits-Lichtgitter
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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	1400 g
Beam coding (Y/N)	No
Protection field height	900 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	SRB301

Mechanical data

Detection ability for test bodies	900 mm
Number of beams	4 piece
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 m

Ambient conditions

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

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

Outputs

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

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

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 mm
- Height of sensor	971 mm
- Length of sensor	33 mm

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
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Ordering code

SLG440COM-ER-(1)

(1)

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

Documents

Operating instructions and Declaration of conformity (es) 411 kB, 14.04.2016

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) 415 kB, 01.08.2016

Code: mrl_slc-slg440com_fr

Operating instructions and Declaration of conformity (de) 397 kB, 22.03.2016

Code: mrl_slc-slg440com_de

Operating instructions and Declaration of conformity (jp) 524 kB, 03.04.2014

Code: mrl_slc-slg440com_jp

Operating instructions and Declaration of conformity (it) 408 kB, 15.04.2015

Code: mrl_slc-slg440com_it

Operating instructions and Declaration of conformity (pt) 412 kB, 01.08.2016

Code: mrl_slc-slg440com_pt

Operating instructions and Declaration of conformity (pl) 431 kB, 01.08.2016

Code: mrl_slc-slg440com_pl

Operating instructions and Declaration of conformity (en) 411 kB, 22.03.2016

Code: mrl_slc-slg440com_en

Operating instructions and Declaration of conformity (nl) 414 kB, 30.01.2014

Code: mrl_slc-slg440com_nl

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

Code: z_slcp04

Brochure (it) 2 MB, 30.04.2015

Code: b_optoshort_it

Brochure (pt) 2 MB, 30.04.2015

Code: b_optoshort_pt

Brochure (es) 2 MB, 16.04.2015

Code: b_optoshort_es

Brochure (fr) 2 MB, 30.04.2015

Code: b_optoshort_fr

Brochure (en) 2 MB, 16.04.2015

Code: b_optoshort_en

Brochure (nl) 2 MB, 16.07.2014

Code: b_optoshort_nl

Brochure (de) 2 MB, 19.02.2015

Code: b_optoshort_de

Brochure (pt) 2 MB, 25.03.2015

Code: b_slc440-familie_pt

Brochure (de) 2 MB, 24.03.2015

Code: b_slc440-familie_de

Brochure (en) 2 MB, 24.03.2015

Code: b_slc440-familie_en

Brochure (fr) 2 MB, 24.03.2015

Code: b_slc440-familie_fr

Brochure (es) 2 MB, 24.03.2015

Code: b_slc440-familie_es

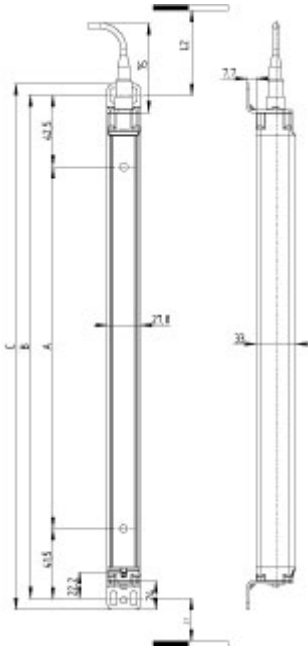
Brochure (nl) 2 MB, 25.03.2015

Code: b_slc440-familie_nl

Brochure (it) 2 MB, 25.03.2015

Code: b_slc440-familie_it

Images



Dimensional drawing (basic component)

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

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