

Datasheet - SLG240COM-ER-0500-02

Safety light curtains, Safety light grids / Safety light grids / SLG240COM



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

- Safety type 2 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	SLG240COM-ER-0500-02
Article number	103016120
EAN Code	4030661506531
eCl@ss	27-27-27-03

Approval

Approval




Classification

Standards	EN ISO 13849-1, EN 62061
PL	up c
Control category	up 2
PFH value	8.05 x 10 ⁻⁹ /
SIL	up 1
Mission time	20 Years

Global Properties

Permanent light	SLG240COM 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	2
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)	Yes
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	Yes
Cascadable (Y/N)	Yes
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
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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

Included in delivery

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

SLG240COM-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 (pt) 654 kB, 24.10.2017

Code: mrl_slc-slg240com_pt

Operating instructions and Declaration of conformity (es) 654 kB, 11.04.2018

Code: mrl_slc-slg240com_es

Operating instructions and Declaration of conformity (nl) 642 kB, 01.08.2018

Code: mrl_slc-slg240com_nl

Operating instructions and Declaration of conformity (it) 649 kB, 23.10.2017

Code: mrl_slc-slg240com_it

Operating instructions and Declaration of conformity (pl) 670 kB, 02.03.2018

Code: mrl_slc-slg240com_pl

Operating instructions and Declaration of conformity (fr) 630 kB, 20.10.2017

Code: mrl_slc-slg240com_fr

Operating instructions and Declaration of conformity (de) 575 kB, 13.09.2017

Code: mrl_slc-slg240com_de

Operating instructions and Declaration of conformity (en) 585 kB, 13.09.2017

Code: mrl_slc-slg240com_en

BG-test certificate (de) 49 kB, 21.09.2017

Code: z_slcp09

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

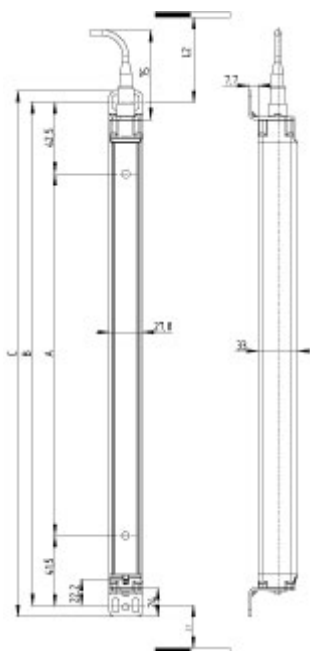
Brochure (pl) 2 MB, 03.08.2018

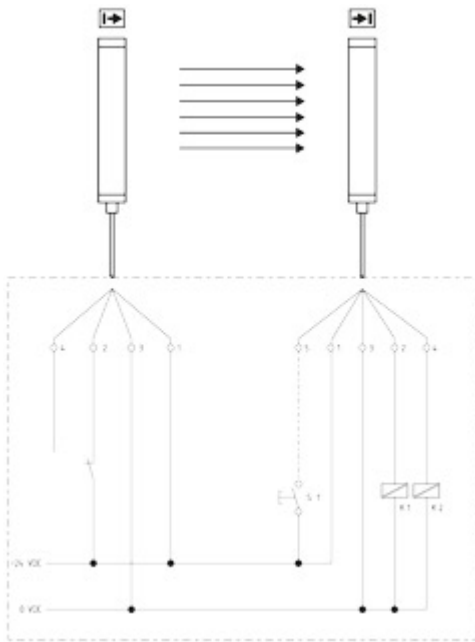
Code: b_optoshort_pl

Brochure (de) 2 MB, 22.10.2018

Code: b_optoshort_de

Images





Wiring example

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

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