

Datasheet - SLG445-ER-0500-02-H1

Safety light curtains, Safety light grids / Safety light grids / SLG445



(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
- Multifunctional

Ordering details

Product type description	SLG445-ER-0500-02-H1
Article number	103006524
EAN Code	
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 ⁻⁹ /
SIL	up 3
Mission time	20 Years

Global Properties

Permanent light	SLG445 Sicherheits-Lichtgitter
Standards	EN 61496-1; CLC/TS 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)	Yes
Protection field height	500
Range of the protection field	3000 - 20000
Reaction time	10
Wave length of the sensors	880
Fade-out is possible (Y/N)	No
Override possible (Y/N)	Yes
reduced resolution (Y/N)	No
Clock control possible (Y/N)	Yes
Muting possible (Y/N)	Yes
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	

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, 12-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

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	Yes

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	Transmitter: 611 / Receiver: 621
- 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
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Ordering code

SLG445-E/R(1)-01

(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 (jp) 1 MB, 16.07.2014

Code: mrl_slc-slg445_jp

Operating instructions and Declaration of conformity (en) 1 MB, 13.09.2017

Code: mrl_slc-slg445_en

Operating instructions and Declaration of conformity (pt) 1 MB, 19.10.2017

Code: mrl_slc-slg445_pt

Operating instructions and Declaration of conformity (nl) 1 MB, 02.07.2018

Code: mrl_slc-slg445_nl

Operating instructions and Declaration of conformity (pl) 1 MB, 19.01.2018

Code: mrl_slc-slg445_pl

Operating instructions and Declaration of conformity (de) 1 MB, 13.09.2017

Code: mrl_slc-slg445_de

Operating instructions and Declaration of conformity (fr) 1 MB, 18.10.2017

Code: mrl_slc-slg445_fr

Operating instructions and Declaration of conformity (es) 1 MB, 17.10.2017

Code: mrl_slc-slg445_es

Operating instructions and Declaration of conformity (it) 1 MB, 18.10.2017

Code: mrl_slc-slg445_it

BG-test certificate (de, en) 853 kB, 28.05.2014

Code: z_slcp05

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

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

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