

Datasheet - SLC445-ER-0330-30-01

Safety light curtains, Safety light grids / Safety light curtains / SLC445



- Safety type 4 in accordance with IEC 61496-1
- User-friendly parameter setting, no tools required
- Process safety with highest availability
- Integrated set-up tool
- Multifunctional

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

Ordering details

| | |
|--------------------------|----------------------|
| Product type description | SLC445-ER-0330-30-01 |
| Article number | 103005405 |
| EAN Code | |
| 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 | 5.14 x 10 ⁻⁹ / |
| SIL | up 3 |
| Mission time | 20 Years |

Global Properties

| | |
|--|---------------------------------|
| Permanent light | SLC445 Sicherheits-Lichtvorhang |
| 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 | 600 |
| Beam coding (Y/N) | Yes |
| Protection field height | 330 |
| Range of the protection field | 300 - 10.000 |
| Reaction time | 10 |
| Wave length of the sensors | 880 |
| Fade-out is possible (Y/N) | Yes |
| Override possible (Y/N) | Yes |
| reduced resolution (Y/N) | Yes |
| 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 | Series SRB 301 |

Mechanical data

| | |
|-----------------------------------|-----------------------------|
| Detection ability for test bodies | 30 |
| Number of beams | 16 |
| 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 |
| Integrated contactor control (Y/N) | Yes |

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 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: 411 / Receiver: 421

- 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)

Ordering code

SLC445-E/R(1)-(2)-01

(1)

0170 Protection field height 170 mm

0250 Protection field height 250 mm

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 <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1370 | Protection field height 1370 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1450 | Protection field height 1450 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1530 | Protection field height 1530 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1610 | Protection field height 1610 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1690 | Protection field height 1690 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| 1770 | Protection field height 1770 mm <i>(Only for Resolution 30 mm, 50 mm)</i> |
| (2) | |
| 14 | Resolution 14 mm, Range 0,3 m ... 7 m |
| 30 | Resolution 30 mm, Range 0,3 m ... 10 m |

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

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

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

Generiert am 13.02.2019 - 14:21:19h Kasbase 3.3.0.F.64l