

Datasheet - SLC240COM-ER-0970-14

Safety light curtains, Safety light grids / Safety light curtains / SLC240COM



(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 | SLC240COM-ER-0970-14 |
| Article number | 103016235 |
| EAN Code | 4030661507064 |
| eCl@ss | 27-27-27-04 |

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 | SLC240COM 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 | 2 |
| Materials | |
| - Material of the housings | Aluminium |
| Weight | 1500 |
| Beam coding (Y/N) | No |
| Protection field height | 970 |
| Range of the protection field | 300 - 7000 |
| Reaction time | 20 |
| 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 | 14 |
| Number of beams | 96 |
| 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 1011
- Length of sensor 33

Included in delivery

Delivery scope of system Transmitter + receiver, Mounting angle

Indication legend

A: total length (Protection field height + 41 mm)

Ordering code

SLC240COM-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 |

| | |
|------|---------------------------------|
| 1610 | Protection field height 1610 mm |
| 1690 | Protection field height 1690 mm |
| 1770 | Protection field height 1770 mm |
| 1850 | Protection field height 1850 mm |
| 1930 | Protection field height 1930 mm |
| (2) | |
| 14 | Resolution 14 mm |
| 30 | Resolution 30 mm |
| 35 | Resolution 35 mm |

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

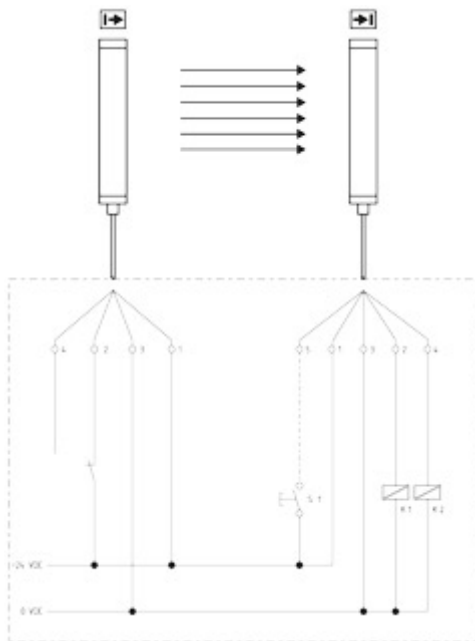
Brochure (de) 2 MB, 22.10.2018

Code: b_optoshort_de

Images



Dimensional drawing (basic component)



Wiring example

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

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