

Datasheet - SLC240COM-ER-1850-14

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



- 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

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

Ordering details

Product type description	SLC240COM-ER-1850-14
Article number	103016248
EAN Code	4030661507170
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
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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	2800
Beam coding (Y/N)	No
Protection field height	1850
Range of the protection field	300 - 6000
Reaction time	28
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	184
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 1891
- 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

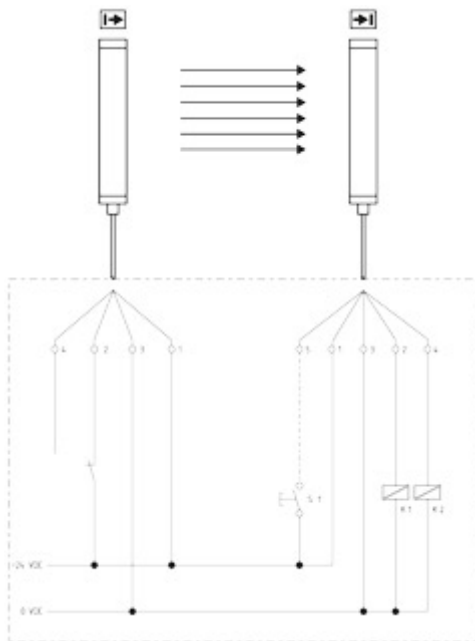
Brochure (de) 2 MB, 22.10.2018

Code: b_optoshort_de

Images



Dimensional drawing (basic component)



Wiring example

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

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

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