Datasheet - SLC440COM-ER-0330-14

Safety light curtains, Safety light grids / Safety light curtains / SLC440COM



(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

Ordering details

Product type description	SLC440COM-ER-0330-14
Article number	103003895
EAN code	4030661435039
eCl@ss	27-27-27-04

Approval

Approval	TÜV USA/CAN

Classification

Standards	EN ISO 13849-1, EN 62061
PL	up e
Control category	up 4
PFH value	8.05 x 10^{-9} /h
SIL	up 3
Mission time	20 Years

Global Properties

Product name	SLC440COM Sicherheits-Lichtvorhang
Standards	EN 61496-1; EN 61496-2
Compliance with the Directives (Y/N) CE	Yes
Operating resource protection class	Protection class 3
Safety type in accordance with IEC 61496-1	4
Materials	
- Material of the housings	Aluminium
Weight	500 g
Beam coding (Y/N)	No
Protection field height	330 mm
Range of the protection field	300 - 7000 mm
Reaction time	10 ms
Wave length of the sensors	880
Fade-out is possible (Y/N)	No
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	No
Cascadable (Y/N)	No
Monitoring function of downstream devices (Y/N)	Yes
Recommended safety-monitoring module	SRB301

Mechanical data

Detection ability for test bodies	14 mm
Number of beams	32 piece
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 m

Ambient conditions

Ambient temperature	
- Min. environmental temperature	−10 °C
- Max. environmental temperature	+50 °C
Storage and transport temperature	
- Min. Storage and transport temperature	−25 °C
- Max. Storage and transport temperature	+70 °C
Protection class	IP67 to IEC/EN 60529

Electrical data

Design of output switching element OSSD	PNP
Power consumption	
- Power consumption Transmitter	< 5 W
- Power consumption Receiver	< 10 W
Voltage type	DC
Switching voltage of the OSSD in high state	24 V ± 10%
Integrated contactor control (Y/N)	No

Outputs

Max. output current at secured output	250 mA

Electrical data - Safety outputs

Number of secure semi-conductor outputs	2 piece
Number of secure outputs with contact	0 piece

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 mm
- Height of sensor	371 mm
- Length of sensor	33 mm

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)

A: total length (Protection field height + 81 mm)

Ordering code

SLC440COM-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 *(Only for Resolution 30 mm, 35 mm)*
1610	Protection field height 1610 mm *(Only for Resolution 30 mm, 35 mm)*
1690	Protection field height 1690 mm *(Only for Resolution 30 mm, 35 mm)*
1770	Protection field height 1770 mm *(Only for Resolution 30 mm, 35 mm)*

(2)

14	Resolution 14 mm, Range 0,3 m ... 7 m
30	Resolution 30 mm, Range 0,3 m ... 10 m
35	Resolution 35 mm, Range 0,3 m ... 7 m

Documents

Operating instructions and Declaration of conformity (es) 411 kB, 14.04.2016
Code: mrl_slc-slg440com_es

Operating instructions and Declaration of conformity (br) 407 kB, 03.02.2015
Code: ace_mrl_slc-slg440com_br

Operating instructions and Declaration of conformity (fr) 415 kB, 01.08.2016
Code: mrl_slc-slg440com_fr

Operating instructions and Declaration of conformity (de) 400 kB, 13.09.2017
Code: mrl_slc-slg440com_de

Operating instructions and Declaration of conformity (jp) 524 kB, 03.04.2014
Code: mrl_slc-slg440com_jp

Operating instructions and Declaration of conformity (it) 408 kB, 15.04.2015
Code: mrl_slc-slg440com_it

Operating instructions and Declaration of conformity (pt) 412 kB, 01.08.2016
Code: mrl_slc-slg440com_pt

Operating instructions and Declaration of conformity (pl) 431 kB, 01.08.2016
Code: mrl_slc-slg440com_pl

Operating instructions and Declaration of conformity (en) 416 kB, 13.09.2017
Code: mrl_slc-slg440com_en

Operating instructions and Declaration of conformity (nl) 414 kB, 30.01.2014
Code: mrl_slc-slg440com_nl

BG-test certificate (de, en) 1 MB, 25.03.2015
Code: z_slcp04

Brochure (it) 2 MB, 30.04.2015
Code: b_optoshort_it

Brochure (pt) 2 MB, 30.04.2015

Code: b_optoshort_pt

Brochure (es) 2 MB, 16.04.2015
Code: b_optoshort_es

Brochure (fr) 2 MB, 30.04.2015
Code: b_optoshort_fr

Brochure (en) 2 MB, 19.09.2017
Code: b_optoshort_en

Brochure (nl) 2 MB, 16.07.2014
Code: b_optoshort_nl

Brochure (de) 2 MB, 19.09.2017
Code: b_optoshort_de

Brochure (pt) 2 MB, 25.03.2015
Code: b_slc440-familie_pt

Brochure (de) 2 MB, 24.03.2015
Code: b_slc440-familie_de

Brochure (en) 2 MB, 24.03.2015
Code: b_slc440-familie_en

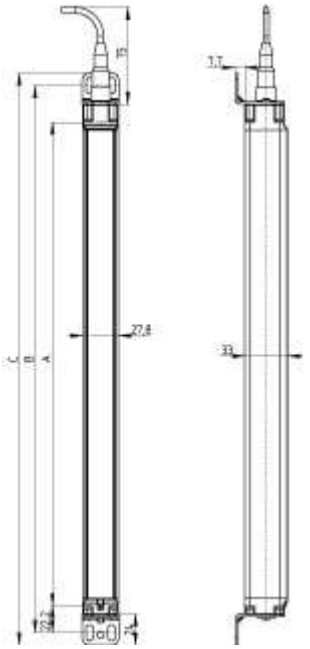
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Code: b_slc440-familie_fr

Brochure (es) 2 MB, 24.03.2015
Code: b_slc440-familie_es

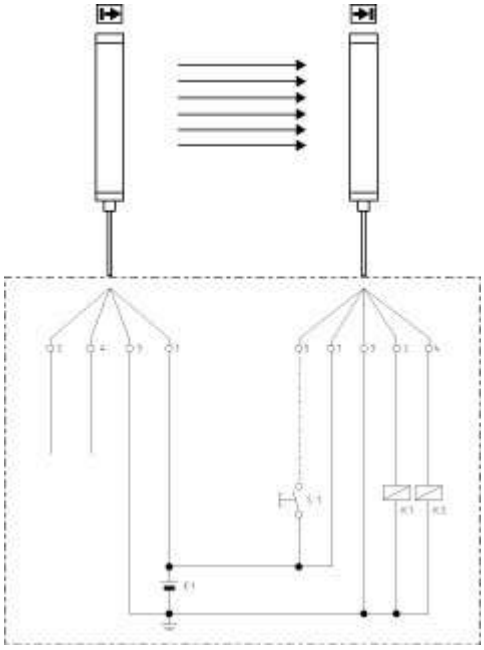
Brochure (nl) 2 MB, 25.03.2015
Code: b_slc440-familie_nl

Brochure (it) 2 MB, 25.03.2015
Code: b_slc440-familie_it

Images



Dimensional drawing (basic component)



Wiring example