Datasheet - SLG 440-E/R0900-04-01

Safety light curtains, Safety light grids / Safety light grids / SLG 440





- 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

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

Ordering details

Product type description

Article number

EAN code

SLG 440-E/R0900-04-01

101216823

4030661415550

Approval

Approval



Classification

Standards

PL

Control category

PFH value SIL

Mission time

EN ISO 13849-1, EN 62061

up e

up 4

5.14 x 10-9/h

up 3

20 Years

Global Properties

Product name

Standards

Compliance with the Directives (Y/N) $\zeta \in$

SLG 440 Sicherheits-Lichtgitter

EN 61496-1; CLC/TS 61496-2

Yes

Operating resource protection class

Safety type in accordance with IEC 61496-1

Materials

- Material of the housings Aluminium

Protection class 3

Weight

Beam coding (Y/N) Yes
Protection field height 900 mm

Range of the protection field 300 - 12000 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 SRB 301MC

Mechanical data

Detection ability for test bodies 900 mm

Number of beams 4 piece

Design of electrical connection Connector

Wiring of the transmitter
 Wiring of the receiver
 connector plug M12, 4-pole
 connector plug M12, 8-pole

Cable length 100 m

Ambient conditions

Ambient temperature

Min. environmental temperature
 Max. environmental temperature
 +50 °C

Storage and transport temperature

- Min. Storage and transport temperature $$-25\ ^{\circ}\text{C}$$ - Max. Storage and transport temperature $$+70\ ^{\circ}\text{C}$$

Protection class IP67 to IEC/EN 60529

Electrical data

Design of output switching element OSSD PNP

Power consumption

- Power consumption Transmitter 1.8 W
- Power consumption Receiver 3.8 W
Voltage type DC

Switching voltage of the OSSD in high state $$24\ V\pm10\%$$

250 mA

Outputs

Max. output current at secured output

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	
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	1010 mm
- Length of sensor	33 mm
- Length of Sensor	33 11111
notice	
In case of failure (interruption of the 0 V supply) the maximun	n leakage current is 1 mA.
Included in delivery	
Delivery scope of disposable system	Transmitter + receiver, Mounting angle
Ordering code	
SLG 440-E/R(1)-01	
(1)	Distance between sutermost beams 500 mm, 2 hoam
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 (da) 551 kB, 06.09.2012
Code: mrl_slg440_da	
Operating instructions and Declaration of conformity (fr)	573 kB 08 03 2012
Code: mrl_slg440_fr	,
Onerating instructions and Declaration of conformity (it)	545 kB 23 07 2012
Operating instructions and Declaration of conformity (it)	040 KD, 20.07.2012

Code: mrl_slg440_jp

Operating instructions and Declaration of conformity (jp) $679~\text{kB},\,24.07.2012$

Code: mrl_slg440_it

Operating instructions and Declaration of conformity (pt) 544 kB, 07.09.2012

Code: mrl_slg440_pt

Operating instructions and Declaration of conformity (de) 625 kB, 20.06.2012

Code: mrl_slg440_de

Operating instructions and Declaration of conformity (en) 550 kB, 20.06.2012

Code: mrl_slg440_en

Operating instructions and Declaration of conformity (es) 546 kB, 21.08.2012

Code: mrl_slg440_es

Brochure (es) 1 MB, 01.02.2012

Code: b_slcp06_es

Brochure (de) 1 MB, 14.11.2011

Code: b_slcp06_de

Brochure (en) 1 MB, 27.03.2012

Code: b_slcp06_en

Brochure (fr) 783 kB, 20.03.2012

Code: b_slcp06_fr

Brochure (pt) 808 kB, 02.04.2012

Code: b_slcp06_pt

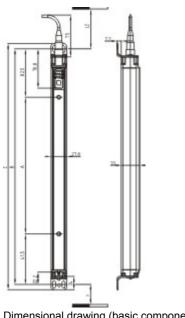
Brochure (pl) 803 kB, 12.03.2012

Code: b_slcp06_pl

Brochure (it) 808 kB, 02.04.2012

Code: b_slcp06_it

Images



Dimensional drawing (basic component)

Safety control modules



SRB 301MC

- Fit for signal evaluation of outputs of safety magnetic switches
- 3 safety contacts, STOP 0
- 1 Signalling output
- Suitable for signal processing of potential-free outputs, e.g. emergency stop command devices, position switches and solenoid interlocks

Connector



A-K8M12

- Pre-wired cable
- 8-pole



A-K4M12

- Pre-wired cable
- 4-pole

K.A. Schmersal GmbH, Möddinghofe 30, D-42279 Wuppertal The data and values have been checked throroughly. Technical modifications and errors excepted. Generiert am 16.10.2012 - 16:29:12h Kasbase 2.2.2 DBII

