



SLC440-ER-1850-14-01

Data

Ordering data

	SLC440-ER-1850-14-01
	103009253
EAN (European Article Number)	4030661458533
eCl@ss number, Version 9.0	27-27-27-04

Approval - Standards

TÜV
cULus
EAC

General data

Product name	SLC 440 Safety light curtain
	EN 61496-1
	EN 61496-2
Enclosure material	Aluminium
Gross weight	3,030 g
Reaction time, maximum	28 ms

General data - Features

Restart interlock (manual reset)	Yes
Contactor control integrated	Yes
Beam coding available	Yes
Hide function	Yes
7-segment display	Yes
Integral System Diagnostics, status	Yes
Integral System Diagnostics	Yes

Bluetooth	Yes
Number of beams	184
Number of fail-safe digital outputs	2

Safety appraisal

	ISO 13849-1 EN 62061
Performance level, up to	e
Control category to EN13849	4
PFH-value	5.14×10^{-9} /h
Safety Integrity Level (SIL), applicable for	3
Mission Time	20 Year(s)
Safety type in accordance with IEC 61496-1	4

Mechanical data

Detection ability for test bodies at v = 1.6 m/s	14 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	7,000 mm
Height of the protection field	1,850 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal Connector	Connector
Terminal connector, Recipient	Connector plug M12, 8-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole
Length of the connectable cable, maximum	100 m

Mechanical data - Dimensions

Height of transmitter	1,931 mm
Height of Receiver	1,941 mm
Length of sensor	33 mm
Width of sensor	27.8 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+50 °C
Storage and transport temperature, minimum	-25 °C

Storage and transport temperature, maximum	+70 °C
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III

Electrical data

Voltage type	DC (direct current)
Switching voltage OSSD, HIGH signal	24 V
Electrical power consumption of the receiver, maximum	10 W
Electrical power consumption of the transmitter, maximum	5 W

Electrical data - Fail-safe digital outputs

Output current, (fail-safe output), maximum	0.3 A
Versions	p-type

Scope of delivery

Included in delivery	Kit with 2 mounting angles
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Accessory

SRB-E 301

Notes

Note (General)	I_{m} In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.
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Ordering code

Product type description:

SLC440-ER(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 (only for resolution 30 mm, 50 mm)
- 1370** Protection field height 1370 mm (only for resolution 30 mm, 50 mm)
- 1450** Protection field height 1450 mm (only for resolution 30 mm, 50 mm)
- 1530** Protection field height 1530 mm (only for resolution 30 mm, 50 mm)
- 1610** Protection field height 1610 mm (only for resolution 30 mm, 50 mm)
- 1690** Protection field height 1690 mm (only for resolution 30 mm, 50 mm)
- 1770** Protection field height 1770 mm (only for resolution 30 mm, 50 mm)

- (2)
- 14** Resolution 14 mm (Range 0.3 ...) 7 m
 - 30** Resolution 30 mm (Range 0.3 ...) 10 m

Pictures

Photo/Product/Catalogue

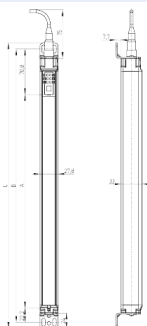


ID: kslc4f37

| 34,2 kB | .png | 74.083 x 158.397 mm - 210 x 449
Pixel - 72 dpi

| 336,4 kB | .jpg | 292.1 x 625.122 mm - 828 x 1772
Pixel - 72 dpi

Dimension/Product/Basic



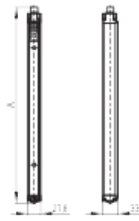
ID: 5slc4g17

| 49,3 kB | .cdr |

| 5,5 kB | .png | 74.083 x 161.925 mm - 210 x 459
Pixel - 72 dpi

| 214,0 kB | .jpg | 352.778 x 770.819 mm - 1000 x 2185
Pixel - 72 dpi

Dimension/Product/Basic



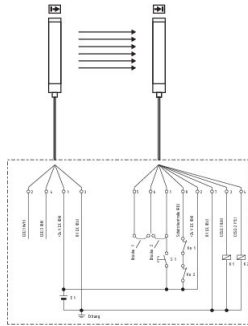
ID: 1slg4g15

| 2,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 55,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

| 43,2 kB | .cdr |

Graphic/Product/Wiring



ID: kslc4l34

| 154,7 kB | .jpg | 352.425 x 464.608 mm - 999 x 1317
Pixel - 72 dpi

| 28,5 kB | .cdr |

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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