



SLC445-ER-0970-14-01

Data

Ordering data

	SLC445-ER-0970-14-01
	103005396
EAN (European Article Number)	4030661436074
eCl@ss number, Version 9.0	27-27-27-04

Approval - Standards

TÜV
cULus
EAC

General data

Product name	SLC445 Safety light curtain EN 61496-1 CLC/TS 61496-2
Enclosure material	Aluminium
Gross weight	1,780 g
Reaction time, maximum	20 ms

General data - Features

Muting function	Yes
Override	Yes
Clock control possible	Yes
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
Reduced resolution	Yes
Number of beams	96
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	970 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal Connector	Connector
Terminal connector, Recipient	Connector plug M12, 12-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole
Length of the connectable cable, maximum	100 m

Mechanical data - Dimensions

Height of the Sensor (Receiver)	1,061 mm
Height of the Sensor (Transmitter)	1,051 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
	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
----------------------	----------------------------

Accessory

SRB-E 301

Notes

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

Ordering code

Product type description:

SLC445-E/R(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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 332021-01-31T08:22:33+01:000801Europe/BerlinSun, 31 Jan 2021 08:22:33

+010033amSunday.31am31Europe/BerlinCET2201Europe/BerlinJanuary2021Sun, 31 Jan 2021 08:22:33

+010001am31