



## SLC445-ER-1450-30-01

- Multifunctional
- Muting
- Cyclic mode
- Double acknowledgement/reset
- Multiscan
- Safety type 4 in accordance with IEC 61496-1
- active integrated set-up tool
- Blanking: fixed/floating
- Status and diagnostics via 7-segment display
- Integrated contactor control
- User-friendly parameter setting, no tools required

## Data

### Ordering data

Product type description	SLC445-ER-1450-30-01
Article number (order number)	103005419
EAN (European Article Number)	4030661436333
eCl@ss number, version 12.0	27-27-27-04
eCl@ss number, version 11.0	27-27-27-04
eCl@ss number, version 9.0	27-27-27-04
ETIM number, version 7.0	EC002549
ETIM number, version 6.0	EC002549

### Approvals - Standards

Certificates

TÜV  
cULus

### General data

Standards	CLC/TS 61496-2 EN IEC 61496-1
Housing material	Aluminium
Reaction time, maximum	20 ms
Gross weight	2,480 g

## General data - Features

Muting function	Yes
Override	Yes
Clock control possible	Yes
Restart interlock (manual reset)	Yes
Contact control integrated	Yes
Beam coding available	Yes
Blanking function	Yes
7-segment display	Yes
Integral system diagnostics, status	Yes
Integral system diagnostics	Yes
Reduced resolution	Yes
Number of fail-safe digital outputs	2
Number of beams	72

## Safety classification

Standards	EN ISO 13849-1 EN IEC 62061
Performance Level, up to	e
Category	4
PFH value	$5.14 \times 10^{-9}$ /h
Safety Integrity Level (SIL), suitable for applications in	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	30 mm
Height of the protection field	1,450 mm
Range, protection field, minimum	0.3 m
Range, protection field, maximum	10 m
Wave length of the laserdiode	880 nm

## Mechanical data - Connection technique

Termination	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

Length of sensor	33 mm
Width of sensor	27.8 mm
Height of the Sensor (Receiver)	1,541 mm
Height of the Sensor (Transmitter)	1,531 mm

## Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +50 °C
Storage and transport temperature	-25 ... +70 °C
Protection class	III

## Electrical data

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 - Safety digital outputs

Output current, (fail-safe output), maximum 0.25 A

Design of control elements p-type

### Scope of delivery

Scope of delivery Kit with 2 mounting angles

### Accessory

Recommended safety switchgear SRB-E 301

### Note

Note (General)  $I_m$  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

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<b>0170</b>	Protection field height 170 mm
<b>0250</b>	Protection field height 250 mm
<b>0330</b>	Protection field height 330 mm
<b>0410</b>	Protection field height 410 mm
<b>0490</b>	Protection field height 490 mm
<b>0570</b>	Protection field height 570 mm
<b>0650</b>	Protection field height 650 mm
<b>0730</b>	Protection field height 730 mm
<b>0810</b>	Protection field height 810 mm

<b>0890</b>	Protection field height 890 mm
<b>0970</b>	Protection field height 970 mm
<b>1050</b>	Protection field height 1050 mm
<b>1130</b>	Protection field height 1130 mm
<b>1210</b>	Protection field height 1210 mm
<b>1290</b>	Protection field height 1290 mm (only for resolution 30 mm, 50 mm)
<b>1370</b>	Protection field height 1370 mm (only for resolution 30 mm, 50 mm)
<b>1450</b>	Protection field height 1450 mm (only for resolution 30 mm, 50 mm)
<b>1530</b>	Protection field height 1530 mm (only for resolution 30 mm, 50 mm)
<b>1610</b>	Protection field height 1610 mm (only for resolution 30 mm, 50 mm)
<b>1690</b>	Protection field height 1690 mm (only for resolution 30 mm, 50 mm)
<b>1770</b>	Protection field height 1770 mm (only for resolution 30 mm, 50 mm)

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<b>14</b>	Resolution 14 mm (Range 0.3 ...) 7 m
<b>30</b>	Resolution 30 mm (Range 0.3 ...) 10 m

## Pictures

### Product picture (catalogue individual photo)



ID: kslc4f37

| 34.2 kB | .png | 74.083 x 158.397 mm - 210 x 449 px - 72 dpi

| 336.4 kB | .jpg | 292.1 x 625.122 mm - 828 x 1772 px - 72 dpi

| 23.1 kB | .jpg | 57.856 x 123.472 mm - 164 x 350 px - 72 dpi

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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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