



## SLC445-ER-1450-14-01

### Data

#### Ordering data

|                               |                      |
|-------------------------------|----------------------|
|                               | SLC445-ER-1450-14-01 |
|                               | 103005402            |
| EAN (European Article Number) | 4030661436159        |
| eCl@ss number, Version 9.0    | 27-27-27-04          |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Product name           | SLC445 Safety light curtain<br>EN 61496-1<br>CLC/TS 61496-2 |
| Enclosure material     | Aluminium                                                   |
| Gross weight           | 2,480 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                     | 144 |
| Number of fail-safe digital outputs | 2   |

### Safety appraisal

|                                              |                          |
|----------------------------------------------|--------------------------|
|                                              | ISO 13849-1<br>EN 62061  |
| Performance level, up to                     | e                        |
| Control category to EN13849                  | 4                        |
| PFH-value                                    | $5.14 \times 10^{-9}$ /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                   | 1,450 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)    | 1,541 mm |
| Height of the Sensor (Transmitter) | 1,531 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) | $I_{\text{m}}$ 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

(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

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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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