



## SLC 425I-E/R1530-30-RFBC

- 1 ... 8 Cycles
- Protection class IP67
- Integrated muting und override function
- Safety type 4 in accordance with IEC 61496-1

### Data

#### Ordering data

SLC 425I-E/R1530-30-RFBC

101207566

eCl@ss number, Version 9.0

27-27-27-04

#### Approval - Standards

TÜV

cULus

EAC

#### General data

Product name SLC 425I Safety light curtain

IEC/EN 61496-1/-2

Enclosure material Aluminium

Gross weight 6,180 g

Reaction time, maximum 25 ms

#### General data - Features

Muting function Yes

Override Yes

Clock control possible Yes

Restart interlock (manual reset) Yes

Beam coding available Yes

Hide function Yes

Integral System Diagnostics, status Yes

Integral System Diagnostics Yes

|                                     |    |
|-------------------------------------|----|
| Number of beams                     | 76 |
| Number of fail-safe digital outputs | 2  |

### Safety appraisal

|                                                 |                          |
|-------------------------------------------------|--------------------------|
|                                                 | ISO 13849-1<br>IEC 61508 |
| Performance level, up to                        | e                        |
| Control category to EN13849                     | 4                        |
| PFH-value                                       | $7.42 \times 10^{-9}$ /h |
| Safety Integrity Level (SIL),<br>applicable for | 3                        |
| Mission Time                                    | 20 Year(s)               |
| Safety type in accordance with IEC<br>61496-1   | 4                        |

### Mechanical data

|                                                     |           |
|-----------------------------------------------------|-----------|
| Detection ability for test bodies at v<br>= 1.6 m/s | 30 mm     |
| Range, protection field, minimum                    | 300 mm    |
| Range, protection field, maximum                    | 10,000 mm |
| Height of the protection field                      | 1,530 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,<br>maximum | 100 m                      |

### Mechanical data - Dimensions

|                       |          |
|-----------------------|----------|
| Height of transmitter | 1,615 mm |
| Height of Receiver    | 1,679 mm |
| Diameter of sensor    | 49 mm    |

### Ambient conditions

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Protection class                              | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum                  | -10 °C                |
| Ambient temperature, maximum                  | +50 °C                |
| Storage and transport temperature,<br>minimum | -25 °C                |
| Storage and transport temperature,<br>maximum | +70 °C                |

## Electrical data

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Voltage type                                    | DC (direct current) |
| Switching voltage OSSD, HIGH signal             | 24 V                |
| Electrical power consumption of the receiver    | 8 W                 |
| Electrical power consumption of the transmitter | 4 W                 |

## Electrical data - Fail-safe digital outputs

|                                             |        |
|---------------------------------------------|--------|
| Output current, (fail-safe output), maximum | 0.5 A  |
| Versions                                    | p-type |

## Scope of delivery

|                      |                            |
|----------------------|----------------------------|
| Included in delivery | Kit with 2 mounting angles |
|----------------------|----------------------------|

## Accessory

SRB-E 301

## Notes

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Note (General) | I <sub>m</sub> In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA. |
|----------------|---------------------------------------------------------------------------------------------------------|

## Ordering code

Product type description:

SLC 425I-E/R(1)-(2)-RFBC

(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  
**1370** Protection field height 1370 mm  
**1450** Protection field height 1450 mm  
**1530** Protection field height 1530 mm (only for resolution 30 mm)  
**1610** Protection field height 1610 mm (only for resolution 30 mm)  
**1690** Protection field height 1690 mm (only for resolution 30 mm)  
**1770** Protection field height 1770 mm (only for resolution 30 mm)

(2)

**14** Resolution 14 mm  
**30** Resolution 30 mm

## Pictures

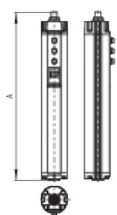
### Photo/Product/Catalogue



ID: kslc4f25

| 61,7 kB | .png | 74.083 x 167.217 mm - 210 x 474  
 Pixel - 72 dpi  
 | 851,9 kB | .jpg | 313.619 x 708.378 mm - 889 x 2008  
 Pixel - 72 dpi

### Dimension/Product/Basic



ID: 1slc4g05

| 53,8 kB | .cdr |  
 | 5,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
 - 72 dpi  
 | 66,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
 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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