



## SLC 425I-E/R1370-30-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/R1370-30-RFBC |
|                            | 101207564                |
| eCl@ss number, Version 9.0 | 27-27-27-04              |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Product name           | SLC 425I Safety light curtain<br>IEC/EN 61496-1/-2 |
| Enclosure material     | Aluminium                                          |
| Gross weight           | 5,680 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                     | 68 |
| 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                      | 1,370 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 | 1,455 mm |
| Height of Receiver    | 1,519 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

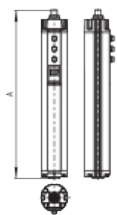
### Photo/Product/Catalogue



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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