



## SLC440COM-ER-1610-30

### Data

#### Ordering data

|                               |                      |
|-------------------------------|----------------------|
|                               | SLC440COM-ER-1610-30 |
|                               | 103003956            |
| EAN (European Article Number) | 4030661435350        |
| eCl@ss number, Version 9.0    | 27-27-27-04          |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                        |                                |
|------------------------|--------------------------------|
| Product name           | SLC440COM Safety light curtain |
|                        | EN 61496-1                     |
|                        | EN 61496-2                     |
| Enclosure material     | Aluminium                      |
| Gross weight           | 2,620 g                        |
| Reaction time, maximum | 20 ms                          |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Integral System Diagnostics, status | Yes |
| Integral System Diagnostics         | Yes |
| Number of beams                     | 80  |
| 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                                    | $8.05 \times 10^{-9}$ /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 | 30 mm     |
| Range, protection field, minimum                   | 300 mm    |
| Range, protection field, maximum                   | 10,000 mm |
| Height of the protection field                     | 1,610 mm  |
| Wave length of the sensor                          | 880 nm    |

## Mechanical data - Connection technique

|                                          |                            |
|------------------------------------------|----------------------------|
| Terminal Connector                       | Connector                  |
| Terminal connector, Recipient            | Connector plug M12, 5-pole |
| Terminal, Connector, Transmitter         | Connector plug M12, 4-pole |
| Length of the connectable cable, maximum | 100 m                      |

## Mechanical data - Dimensions

|                  |          |
|------------------|----------|
| Height of sensor | 1,651 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               | -10 °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) | $I_{m}$ In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA. |
|----------------|--------------------------------------------------------------------------------------------------|

## Ordering code

Product type description:

SLC440COM-ER(1)-(2)

(1)

**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, 35 mm)
- 1610** Protection field height 1610 mm (only for resolution 30 mm, 35 mm)
- 1690** Protection field height 1690 mm (only for resolution 30 mm, 35 mm)
- 1770** Protection field height 1770 mm (only for resolution 30 mm, 35 mm)

(2)

- 14** Resolution 14 mm (Range 0.3 ...) 7 m
- 30** Resolution 30 mm (Range 0.3 ...) 10 m
- 35** Resolution 35 mm (Range 0.3 ...) 7 m

## Pictures

### Photo/Product/Catalogue



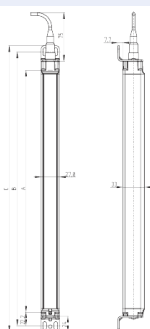
ID: kslc4f67

| 66,6 kB | .png | 74.083 x 254.353 mm - 210 x 721  
Pixel - 72 dpi

| 16,9 kB | .jpg | 79.728 x 273.756 mm - 226 x 776  
Pixel - 72 dpi

| 1.005,9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x  
3436 Pixel - 72 dpi

### Dimension/Product/Basic



ID: 5slc4g23

| 196,0 kB | .jpg | 352.778 x 757.061 mm - 1000 x  
2146 Pixel - 72 dpi

| 5,0 kB | .png | 74.083 x 158.75 mm - 210 x 450 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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