



## SLC240COM-ER-1690-35

- Integrated set-up tool
- Process safety with highest availability
- Safety type 2 in accordance with IEC 61496-1
- User-friendly parameter setting, no tools required
- Reliable safety concept in case of interferences (EMC, welding sparks)

### Data

#### Ordering data

|                               |                      |
|-------------------------------|----------------------|
|                               | SLC240COM-ER-1690-35 |
|                               | 103016280            |
| EAN (European Article Number) | 4030661506944        |
| eCl@ss number, Version 9.0    | 27-27-27-04          |

#### Approval - Standards

TÜV  
cULus

#### General data

|                           |                                |
|---------------------------|--------------------------------|
| Product name              | SLC240COM Safety light curtain |
|                           | EN 61496-1                     |
|                           | EN 61496-2                     |
| Master- or Slave-function | Yes                            |
| Enclosure material        | Aluminium                      |
| Gross weight              | 2,740 g                        |
| Reaction time, maximum    | 20 ms                          |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Cascadable                          | Yes |
| Restart interlock (manual reset)    | Yes |
| Hide function                       | Yes |
| Integral System Diagnostics, status | Yes |

|                                     |     |
|-------------------------------------|-----|
| Integral System Diagnostics         | Yes |
| Number of beams                     | 58  |
| Number of fail-safe digital outputs | 2   |

#### Safety appraisal

|                                              |                          |
|----------------------------------------------|--------------------------|
|                                              | ISO 13849-1              |
|                                              | EN 62061                 |
| Performance level, up to                     | c                        |
| Control category to EN13849                  | 2                        |
| PFH-value                                    | $8.05 \times 10^{-9}$ /h |
| Safety Integrity Level (SIL), applicable for | 1                        |
| Mission Time                                 | 20 Year(s)               |
| Safety type in accordance with IEC 61496-1   | 2                        |

#### Mechanical data

|                                                    |          |
|----------------------------------------------------|----------|
| Detection ability for test bodies at $v = 1.6$ m/s | 35 mm    |
| Range, protection field, minimum                   | 300 mm   |
| Range, protection field, maximum                   | 7,000 mm |
| Height of the protection field                     | 1,690 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 | 1,731 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

#### Ordering code

Product type description:

SLC240COM-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  
**1610** Protection field height 1610 mm  
**1690** Protection field height 1690 mm  
**1770** Protection field height 1770 mm  
**1850** Protection field height 1850 mm  
**1930** Protection field height 1930 mm

(2)

**14** Resolution 14 mm

**30** Resolution 30 mm

**35** Resolution 35 mm

## Pictures

### Photo/Product/Catalogue



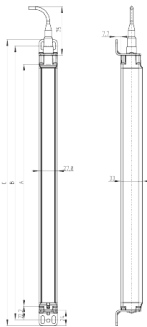
ID: kslc4f67

| 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

### Graphic/Product/Wiring



ID: kslc2l06

| 124,5 kB | .jpg | 352.778 x 475.544 mm - 1000 x  
1348 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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