



## SLC440COM-ER-0330-30

- Safety type 4 in accordance with IEC 61496-1
- Status and diagnostics via App with bluetooth
- Automatic start or restart interlock
- active integrated set-up tool
- Process safety with highest availability
- User-friendly parameter setting, no tools required
- optional degree of protection IP69 with protective enclosure (accessories)

## Data

### Ordering data

|                               |                      |
|-------------------------------|----------------------|
| Product type description      | SLC440COM-ER-0330-30 |
| Article number (order number) | 103003940            |
| EAN (European Article Number) | 4030661435183        |
| eCl@ss number, version 12.0   | 27-27-27-04          |
| eCl@ss number, version 11.0   | 27-27-27-04          |
| eCl@ss number, version 9.0    | 27-27-27-04          |
| ETIM number, version 7.0      | EC002549             |
| ETIM number, version 6.0      | EC002549             |

### Approvals - Standards

|              |              |
|--------------|--------------|
| Certificates | TÜV<br>cULus |
|--------------|--------------|

### General data

|           |                                  |
|-----------|----------------------------------|
| Standards | EN IEC 61496-2<br>EN IEC 61496-1 |
|-----------|----------------------------------|

|                        |           |
|------------------------|-----------|
| Housing material       | Aluminium |
| Reaction time, maximum | 10 ms     |
| Gross weight           | 620 g     |

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Integral system diagnostics, status | Yes |
| Integral system diagnostics         | Yes |
| Number of fail-safe digital outputs | 2   |
| Number of beams                     | 16  |

### Safety classification

|  |                                |
|--|--------------------------------|
| Standards  | EN ISO 13849-1<br>EN IEC 62061 |
| Performance Level, up to                                   | e                              |
| Category   | 4                              |
| PFH value  | $8.05 \times 10^{-9}$ /h       |
| Safety Integrity Level (SIL), suitable for applications in | 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  |
| Height of the protection field                     | 330 mm |
| Range, protection field, minimum                   | 0.3 m  |
| Range, protection field, maximum                   | 10 m   |
| Wave length of the laserdiode                      | 880 nm |

### Mechanical data - Connection technique

|  |                            |
|--|----------------------------|
| Termination                              | 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

|                  |         |
|------------------|---------|
| Length of sensor | 33 mm   |
| Width of sensor  | 27.8 mm |
| Height of sensor | 371 mm  |

### Ambient conditions

|                                   |                |
|-----------------------------------|----------------|
| Degree of protection              | IP67           |
| Ambient temperature               | -10 ... +50 °C |
| Storage and transport temperature | -25 ... +70 °C |
| Protection class                  | III            |

### Electrical data

|  |      |
|--|------|
| 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 - Safety digital outputs

|   |        |
|---|--------|
| Output current, (fail-safe output), maximum | 0.25 A |
| Design of control elements                  | p-type |

### Scope of delivery

|                   |                            |
|-------------------|----------------------------|
| Scope of delivery | Kit with 2 mounting angles |
|-------------------|----------------------------|

## Accessory

Recommended safety switchgear

SRB-E 301

## Note

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)

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|             |  |
|-------------|--|
| <b>0330</b> | Protection field height 330 mm                                     |
| <b>0410</b> | Protection field height 410 mm                                     |
| <b>0490</b> | Protection field height 490 mm                                     |
| <b>0570</b> | Protection field height 570 mm                                     |
| <b>0650</b> | Protection field height 650 mm                                     |
| <b>0730</b> | Protection field height 730 mm                                     |
| <b>0810</b> | Protection field height 810 mm                                     |
| <b>0890</b> | Protection field height 890 mm                                     |
| <b>0970</b> | Protection field height 970 mm                                     |
| <b>1050</b> | Protection field height 1050 mm                                    |
| <b>1130</b> | Protection field height 1130 mm                                    |
| <b>1210</b> | Protection field height 1210 mm                                    |
| <b>1290</b> | Protection field height 1290 mm                                    |
| <b>1370</b> | Protection field height 1370 mm                                    |
| <b>1450</b> | Protection field height 1450 mm                                    |
| <b>1530</b> | Protection field height 1530 mm (only for resolution 30 mm, 35 mm) |
| <b>1610</b> | Protection field height 1610 mm (only for resolution 30 mm, 35 mm) |
| <b>1690</b> | 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

### Product picture (catalogue individual photo)



ID: kslc4f67

| 16.9 kB | .jpg | 79.728 x 273.756 mm - 226 x 776 px - 72 dpi

| 750.9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x 3436 px - 72 dpi

| 67.7 kB | .png | 74.083 x 254.353 mm - 210 x 721 px - 72 dpi

| 22.9 kB | .jpg | 35.983 x 123.472 mm - 102 x 350 px - 72 dpi

### Dimensional drawing basic component



ID: 5slc4g23

| 76.2 kB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi

| 5.0 kB | .png | 74.083 x 158.75 mm - 210 x 450 px - 72 dpi

| 196.0 kB | .jpg | 352.778 x 757.061 mm - 1000 x 2146 px - 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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