



## SLC440COM-ER-1850-14

- 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-1850-14 |
| Article number (order number) | 103009291            |
| EAN (European Article Number) | 4030661458687        |
| eCl@ss number, Version 9.0    | 27-27-27-04          |
| eCl@ss number, Version 11.0   | 27-27-27-04          |

### Approval - Standards

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

### General data

|                        |                          |
|------------------------|--------------------------|
| Standards              | EN 61496-1<br>EN 61496-2 |
| Enclosure material     | Aluminium                |
| Gross weight           | 2,920 g                  |
| Reaction time, maximum | 28 ms                    |

## General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Integral System Diagnostics, status | Yes |
| Integral System Diagnostics         | Yes |
| Number of beams                     | 184 |
| Number of fail-safe digital outputs | 2   |

## Safety appraisal

|                                                            |                            |
|------------------------------------------------------------|----------------------------|
| Standards                                                  | EN ISO 13849-1<br>EN 62061 |
| Performance level, up to                                   | e                          |
| Control category to EN13849                                | 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 | 14 mm    |
| Height of the protection field                     | 1,850 mm |
| Range, protection field, minimum                   | 300 mm   |
| Range, protection field, maximum                   | 6,000 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

|                  |          |
|------------------|----------|
| Length of sensor | 33 mm    |
| Width of sensor  | 27.8 mm  |
| Height of sensor | 1,891 mm |

## Ambient conditions

|                                            |                  |
|--------------------------------------------|------------------|
| Degree of protection                       | IP67 to 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           |
| Protection rating                          | 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 | 0.25 A |
| Versions                                    | p-type |

## Scope of delivery

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

## Accessory

|                               |           |
|-------------------------------|-----------|
| Recommended safety switchgear | 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)

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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 resolution30 mm, 35 mm) |
| <b>1610</b> | Protection field height 1610 mm (only for resolution30 mm, 35 mm) |
| <b>1690</b> | Protection field height 1690 mm (only for resolution30 mm, 35 mm) |
| <b>1770</b> | Protection field height 1770 mm (only for resolution30 mm, 35 mm) |

(2)

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|           |                                       |
|-----------|---------------------------------------|
| <b>14</b> | Resolution 14 mm (Range 0.3 ...) 7 m  |
| <b>30</b> | Resolution 30 mm (Range 0.3 ...) 10 m |
| <b>35</b> | Resolution 35 mm (Range 0.3 ...) 7 m  |

## Pictures

## Product picture (catalogue individual photo)



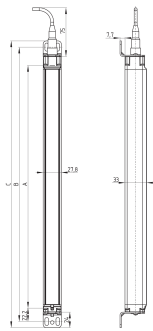
ID: kslc4f67

| 1,005.9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x 3436 px - 72 dpi

| 66.6 kB | .png | 74.083 x 254.353 mm - 210 x 721 px - 72 dpi

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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

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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