# DATASHEET



## SLC440COM-ER-1850-14

- Safety type 4 in accordance with IEC 61496-1
- 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 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 |
| Notice | Due to the lack of availability of certain electronic components, this series is currently produced and delivered without Bluetooth interface! |

### Approvals - Standards

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

## General data

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

| | |
|---|---|
| Standards | EN ISO 13849-1<br>EN IEC 62061 |
| Performance Level, up to | e |
| Category to EN ISO 13849 | 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

| | |
|---|---|
| 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 | 1,891 mm |

## Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| 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 class | 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 - 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)

| | |
|---|---|
| **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

### 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

## 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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