



## SLC440COM-ER-1050-30

- 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

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661435275 |
| 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           | 1,720 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                     | 52  |
| 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 | 30 mm     |
| Height of the protection field                     | 1,050 mm  |
| Range, protection field, minimum                   | 300 mm    |
| Range, protection field, maximum                   | 10,000 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 | 1,091 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.

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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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