



## SLC440-ER-1050-14-01

- Safety type 4 in accordance with IEC 61496-1
- Status and diagnostics via App with bluetooth
- active integrated set-up tool
- Blanking: fixed/floating
- Double acknowledgement/reset
- Integrated contactor control
- Beam coding
- 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) | 4030661409122 |
| 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           | 1,830 g |
| Reaction time, maximum | 20 ms   |

## General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Contactor control integrated        | Yes |
| Beam coding available               | Yes |
| Hide function                       | Yes |
| 7-segment display                   | Yes |
| Integral System Diagnostics, status | Yes |
| Integral System Diagnostics         | Yes |
| Bluetooth                           | Yes |
| Number of beams                     | 104 |
| 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                                                  | $5.14 \times 10^{-9}$ /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                     | 1,050 mm |

|                                  |          |
|----------------------------------|----------|
| Range, protection field, minimum | 300 mm   |
| Range, protection field, maximum | 7,000 mm |
| Wave length of the sensor        | 880 nm   |

### Mechanical data - Connection technique

|                                          |                            |
|------------------------------------------|----------------------------|
| Terminal Connector                       | Connector                  |
| Terminal connector, Recipient            | Connector plug M12, 8-pole |
| Terminal, Connector, Transmitter         | Connector plug M12, 4-pole |
| Length of the connectable cable, maximum | 100 m                      |

### Mechanical data - Dimensions

|                       |          |
|-----------------------|----------|
| Height of transmitter | 1,131 mm |
| Height of Receiver    | 1,141 mm |
| Length of sensor      | 33 mm    |
| Width of sensor       | 27.8 mm  |

### Ambient conditions

|                                            |                  |
|--------------------------------------------|------------------|
| Degree of protection                       | IP67 to EN 60529 |
| Ambient temperature, minimum               | -25 °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, 5 W  
maximum

**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.