



**SLC445-ER-1290-14-01**

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- Muting
- Cyclic mode
- Double acknowledgement/reset
- Multiscan
- Safety type 4 in accordance with IEC 61496-1
- active integrated set-up tool
- Blanking: fixed/floating
- Status and diagnostics via 7-segment display
- Integrated contactor control
- User-friendly parameter setting, no tools required

**Data**

**Ordering data**

|                               |               |
|-------------------------------|---------------|
| EAN (European Article Number) | 4030661436111 |
| 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>CLC/TS 61496-2 |
| Enclosure material | Aluminium                    |

|                        |         |
|------------------------|---------|
| Gross weight           | 2,280 g |
| Reaction time, maximum | 20 ms   |

## General data - Features

|                                     |     |
|-------------------------------------|-----|
| Muting function                     | Yes |
| Override                            | Yes |
| Clock control possible              | Yes |
| 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 |
| Reduced resolution                  | Yes |
| Number of beams                     | 128 |
| 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 $v = 1.6 \text{ m/s}$ | 14 mm    |
| Height of the protection field                             | 1,290 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, 12-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 the Sensor (Receiver)    | 1,381 mm |
| Height of the Sensor (Transmitter) | 1,371 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, 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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