



SLC445-ER-0250-14-01

- [REDACTED]
- 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

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|-------------------------------|---------------|
| EAN (European Article Number) | 4030661435916 |
| eCl@ss number, Version 9.0 | 27-27-27-04 |
| eCl@ss number, Version 11.0 | 27-27-27-04 |

Approval - Standards

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|--------------|---------------------|
| Certificates | TÜV cULus EAC |
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General data

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| Standards | EN 61496-1 CLC/TS 61496-2 |
| Enclosure material | Aluminium |

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| Gross weight | 680 g |
| Reaction time, maximum | 10 ms |

General data - Features

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| 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 | 24 |
| Number of fail-safe digital outputs | 2 |

Safety appraisal

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|------------------------------------------------------------|----------------------------|
| Standards | EN ISO 13849-1 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 | 250 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

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|------------------------------------------|-----------------------------|
| 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

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|------------------------------------|---------|
| Length of sensor | 33 mm |
| Width of sensor | 27.8 mm |
| Height of the Sensor (Receiver) | 341 mm |
| Height of the Sensor (Transmitter) | 331 mm |

Ambient conditions

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|--------------------------------------------|------------------|
| 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

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|----------------------------------------------------------|---------------------|
| 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

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|---------------------------------------------|--------|
| Output current, (fail-safe output), maximum | 0.25 A |
| Versions | p-type |

Scope of delivery

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

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| Recommended safety switchgear | SRB-E 301 |
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Notes

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| 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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