



SLC440-ER-1210-30-01

- 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

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|-------------------------------|---------------|
| EAN (European Article Number) | 4030661415376 |
| eCl@ss number, Version 9.0 | 27-27-27-04 |
| eCl@ss number, Version 11.0 | 27-27-27-04 |

Approval - Standards

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

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|--------------------|--------------------------|
| Standards | EN 61496-1 EN 61496-2 |
| Enclosure material | Aluminium |

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| Gross weight | 2,130 g |
| Reaction time, maximum | 20 ms |

General data - Features

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| 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 | 60 |
| 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 | 5.14×10^{-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

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| Detection ability for test bodies at $v = 1.6$ m/s | 30 mm |
| Height of the protection field | 1,210 mm |

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|----------------------------------|-----------|
| Range, protection field, minimum | 300 mm |
| Range, protection field, maximum | 10,000 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, 8-pole |
| Terminal, Connector, Transmitter | Connector plug M12, 4-pole |
| Length of the connectable cable, maximum | 100 m |

Mechanical data - Dimensions

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| Height of transmitter | 1,291 mm |
| Height of Receiver | 1,301 mm |
| Length of sensor | 33 mm |
| Width of sensor | 27.8 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, 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.