



SLC240COM-ER-0410-30

- Safety type 2 in accordance with IEC 61496-1
- User-friendly parameter setting, no tools required
- Reliable safety concept in case of interferences (EMC, welding sparks)
- Process safety with highest availability
- active integrated set-up tool

Data

Ordering data

| | |
|-------------------------------|----------------------|
| Product type description | SLC240COM-ER-0410-30 |
| Article number (order number) | 103016159 |
| EAN (European Article Number) | 4030661507200 |
| eCl@ss number, version 12.0 | 27-27-27-04 |
| eCl@ss number, version 11.0 | 27-27-27-04 |
| eCl@ss number, version 9.0 | 27-27-27-04 |
| ETIM number, version 7.0 | EC002549 |
| ETIM number, version 6.0 | EC002549 |

Approvals - Standards

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|--------------|-------|
| Certificates | cULus |
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General data

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|---------------------------|----------------------------------|
| Standards | EN IEC 61496-2 EN IEC 61496-1 |
| Master- or Slave-function | Yes |

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|------------------------|-----------|
| Housing material | Aluminium |
| Reaction time, maximum | 10 ms |
| Gross weight | 840 g |

General data - Features

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|-------------------------------------|-----|
| Cascadable | Yes |
| Restart interlock (manual reset) | Yes |
| Blanking function | Yes |
| Integral system diagnostics, status | Yes |
| Integral system diagnostics | Yes |
| Number of fail-safe digital outputs | 2 |
| Number of beams | 20 |

Safety classification

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|--|--------------------------------|
| Standards | EN ISO 13849-1 EN IEC 62061 |
| Performance Level, up to | c |
| Category | 2 |
| PFH value | 8.05×10^{-9} /h |
| Safety Integrity Level (SIL), suitable for applications in | 1 |
| Mission time | 20 Year(s) |
| Safety type in accordance with IEC 61496-1 | 2 |

Mechanical data

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|--|--------|
| Detection ability for test bodies at $v = 1.6$ m/s | 30 mm |
| Height of the protection field | 410 mm |
| Range, protection field, minimum | 0.3 m |
| Range, protection field, maximum | 12 m |
| Wave length of the laserdiode | 880 nm |

Mechanical data - Connection technique

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|--|----------------------------|
| Termination | 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

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|------------------|---------|
| Length of sensor | 33 mm |
| Width of sensor | 27.8 mm |
| Height of sensor | 451 mm |

Ambient conditions

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|-----------------------------------|----------------|
| Degree of protection | IP67 |
| Ambient temperature | -10 ... +50 °C |
| Storage and transport temperature | -25 ... +70 °C |
| Protection class | III |

Electrical data

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| 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 - Safety digital outputs

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|---|--------|
| Output current, (fail-safe output), maximum | 0.25 A |
| Design of control elements | p-type |

Scope of delivery

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| Scope of delivery | Kit with 2 mounting angles |
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Accessory

Recommended safety switchgear

SRB-E 301

Ordering code

Product type description:
SLC240COM-ER(1)-(2)

(1)

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|-------------|---------------------------------|
| 0330 | Protection field height 330 mm |
| 0410 | Protection field height 410 mm |
| 0490 | Protection field height 490 mm |
| 0570 | Protection field height 570 mm |
| 0650 | Protection field height 650 mm |
| 0730 | Protection field height 730 mm |
| 0810 | Protection field height 810 mm |
| 0890 | Protection field height 890 mm |
| 0970 | Protection field height 970 mm |
| 1050 | Protection field height 1050 mm |
| 1130 | Protection field height 1130 mm |
| 1210 | Protection field height 1210 mm |
| 1290 | Protection field height 1290 mm |
| 1370 | Protection field height 1370 mm |
| 1450 | Protection field height 1450 mm |
| 1530 | Protection field height 1530 mm |
| 1610 | Protection field height 1610 mm |
| 1690 | Protection field height 1690 mm |
| 1770 | Protection field height 1770 mm |
| 1850 | Protection field height 1850 mm |
| 1930 | Protection field height 1930 mm |

(2)

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|-----------|------------------|
| 14 | Resolution 14 mm |
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