



## SLC240COM-ER-1610-14

- 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-1610-14 |
| Article number (order number) | 103016243            |
| EAN (European Article Number) | 4030661507149        |
| 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

|              |       |
|--------------|-------|
| Certificates | cULus |
|--------------|-------|

### General data

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

|                        |           |
|------------------------|-----------|
| Housing material       | Aluminium |
| Reaction time, maximum | 28 ms     |
| Gross weight           | 2,640 g   |

## General data - Features

|                                     |     |
|-------------------------------------|-----|
| 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                     | 160 |

## Safety classification

|                                                            |                                |
|------------------------------------------------------------|--------------------------------|
| Standards                                                  | EN ISO 13849-1<br>EN IEC 62061 |
| Performance Level, up to                                   | c                              |
| Category                                                   | 2                              |
| PFH value                                                  | $8.05 \times 10^{-9}$ /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

|                                                    |          |
|----------------------------------------------------|----------|
| Detection ability for test bodies at $v = 1.6$ m/s | 14 mm    |
| Height of the protection field                     | 1,610 mm |
| Range, protection field, minimum                   | 0.3 m    |
| Range, protection field, maximum                   | 6 m      |
| Wave length of the laserdiode                      | 880 nm   |

## Mechanical data - Connection technique

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

|                  |          |
|------------------|----------|
| Length of sensor | 33 mm    |
| Width of sensor  | 27.8 mm  |
| Height of sensor | 1,651 mm |

## Ambient conditions

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

## Electrical data

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

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

## Scope of delivery

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

## Accessory

Recommended safety switchgear

SRB-E 301

## Ordering code

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

(1)

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

(2)

|           |                  |
|-----------|------------------|
| <b>14</b> | Resolution 14 mm |
|-----------|------------------|

35

Resolution 35 mm

### Product picture (catalogue individual photo)

|          |      |                                                 |
|----------|------|-------------------------------------------------|
| 16.9 kB  | .jpg | 79.728 x 273.756 mm - 226 x 776 px - 72 dpi     |
| 750.9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x 3436 px - 72 dpi |
| 67.7 kB  | .png | 74.083 x 254.353 mm - 210 x 721 px - 72 dpi     |
| 22.9 kB  | .jpg | 35.983 x 123.472 mm - 102 x 350 px - 72 dpi     |

| 76.2 kB | .ai | 210.002 x 297 mm - 595 x 841 px - 72 dpi  
| 5.0 kB | .png | 74.083 x 158.75 mm - 210 x 450 px - 72 dpi  
| 196.0 kB | .jpg | 352.778 x 757.061 mm - 1000 x 2146 px - 72 dpi

| 124.5 kB | .jpg | 352.778 x 475.544 mm - 1000 x 1348 px - 72 dpi

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