



## SLC240COM-ER-1770-35

- 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-1770-35 |
| Article number (order number) | 103016282            |
| EAN (European Article Number) | 4030661506951        |
| 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 | 20 ms     |
| Gross weight           | 2,840 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                     | 60  |

## 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 | 35 mm    |
| Height of the protection field                     | 1,770 mm |
| Range, protection field, minimum                   | 0.3 m    |
| Range, protection field, maximum                   | 7 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 | 1,811 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 |
|-----------|------------------|

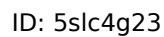
Resolution 30 mm

Resolution 35 mm

### Product picture (catalogue individual photo)



## Dimensional drawing basic component



## Wiring example



Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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.

Generated on: 20/08/2024, 7:48 am