



## SLC240COM-ER-0970-14

- 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-0970-14
Article number (order number)	103016235
EAN (European Article Number)	4030661507064
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
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### General data

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

Housing material	Aluminium
Reaction time, maximum	20 ms
Gross weight	1,640 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	96

## Safety classification

Standards	EN ISO 13849-1 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	970 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	1,011 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
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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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<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)

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<b>14</b>	Resolution 14 mm
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30

Resolution 30 mm

35

Resolution 35 mm

## Pictures

### Product picture (catalogue individual photo)



ID: kslc4f67

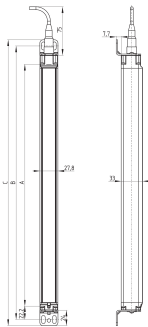
| 16.9 kB | .jpg | 79.728 x 273.756 mm - 226 x 776 px - 72 dpi

| 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

### Dimensional drawing basic component



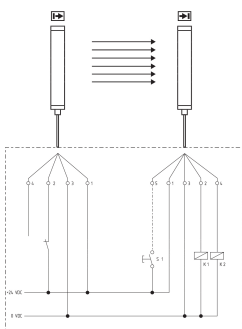
ID: 5slc4g23

| 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

### Wiring example



ID: kslc2l06

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

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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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