



SLC240COM-ER-0810-30

- Integrated set-up tool
- Process safety with highest availability
- 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)

Data

Ordering data

	SLC240COM-ER-0810-30
	103016164
EAN (European Article Number)	4030661507255
eCl@ss number, Version 9.0	27-27-27-04

Approval - Standards

TÜV
cULus

General data

Product name	SLC240COM Safety light curtain
	EN 61496-1
	EN 61496-2
Master- or Slave-function	Yes
Enclosure material	Aluminium
Gross weight	1,440 g
Reaction time, maximum	10 ms

General data - Features

Cascadable	Yes
Restart interlock (manual reset)	Yes
Hide function	Yes
Integral System Diagnostics, status	Yes

Integral System Diagnostics	Yes
Number of beams	40
Number of fail-safe digital outputs	2

Safety appraisal

	ISO 13849-1 EN 62061
Performance level, up to	c
Control category to EN13849	2
PFH-value	8.05×10^{-9} /h
Safety Integrity Level (SIL), applicable for	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	30 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	12,000 mm
Height of the protection field	810 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal Connector	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

Height of sensor	851 mm
Length of sensor	33 mm
Width of sensor	27.8 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-10 °C
Ambient temperature, maximum	+50 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+70 °C
	III

Electrical data

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, maximum	5 W

Electrical data - Fail-safe digital outputs

Output current, (fail-safe output), maximum	0.3 A
Versions	p-type

Scope of delivery

Included in delivery	Kit with 2 mounting angles
----------------------	----------------------------

Accessory

SRB-E 301

Ordering code

Product type description:

SLC240COM-ER(1)-(2)

(1)

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)

14 Resolution 14 mm

30 Resolution 30 mm

35 Resolution 35 mm

Pictures

Photo/Product/Catalogue



ID: kslc4f67

| 66,6 kB | .png | 74.083 x 254.353 mm - 210 x 721
Pixel - 72 dpi

| 16,9 kB | .jpg | 79.728 x 273.756 mm - 226 x 776
Pixel - 72 dpi

| 1.005,9 kB | .jpg | 352.778 x 1212.144 mm - 1000 x
3436 Pixel - 72 dpi

Dimension/Product/Basic



ID: 5slc4g23

| 196,0 kB | .jpg | 352.778 x 757.061 mm - 1000 x
2146 Pixel - 72 dpi

| 5,0 kB | .png | 74.083 x 158.75 mm - 210 x 450 Pixel
- 72 dpi

Graphic/Product/Wiring



ID: kslc2l06

| 124,5 kB | .jpg | 352.778 x 475.544 mm - 1000 x
1348 Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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 042021-01-31T08:31:04+01:000801Europe/BerlinSun, 31 Jan 2021 08:31:04

+010004amSunday.31am31Europe/BerlinCET3101Europe/BerlinJanuary2021Sun, 31 Jan 2021 08:31:04

+010001am31