

SLC 420-E/R0410-14-RFB

- **Protection class IP67**
- **Resolution 14, 30 and 50 mm**
- **Safety type 4 in accordance with IEC 61496-1**
- **Protection field height from 170 mm ... 1770 mm**

Data

Ordering data	
	SLC 420-E/R0410-14-RFB
	101206829
EAN (European Article Number)	4030661461311
eCl@ss number, Version 9.0	27-27-27-04
Approval - Standards	
	TÜV cULus EAC
General data	
Product name	SLC 420 Safety light curtain
	IEC/EN 61496-1/-2
Enclosure material	Aluminium
Gross weight	2,210 g
Reaction time, maximum	10 ms
General data - Features	
Restart interlock (manual reset)	Yes
Beam coding available	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 IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	6.19×10^{-9} /h
Safety Integrity Level (SIL), applicable for	3
Mission Time	20 Year(s)
Safety type in accordance with IEC 61496-1	4
Mechanical data	
Detection ability for test bodies at v = 1.6 m/s	14 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	7,000 mm
Height of the protection field	410 mm
Wave length of the sensor	880 nm
Mechanical data - Connection technique	
Terminal Connector	Connector
Terminal connector, Recipient	Connector plug M12, 8-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole
Length of the connectable cable, maximum	100 m
Mechanical data - Dimensions	
Diameter of sensor	49 mm
Height of sensor	495 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	8 W
Electrical power consumption of the transmitter	4 W
Electrical data - Fail-safe digital outputs	
Output current, (fail-safe output), maximum	0.5 A
Versions	p-type
Scope of delivery	
Included in delivery	Kit with 2 mounting angles
Accessory	
	SRB-E 301
Notes	
Note (General)	I_m In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.
Ordering code	

Product type description:

SLC 420-E/R(1)-(2)-RFB-(3)(4)

(1)

0170 Protection field height 170 mm
0250 Protection field height 250 mm
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 (only for resolution 30 mm, 50 mm)
1610 Protection field height 1610 mm (only for resolution 30 mm, 50 mm)
1690 Protection field height 1690 mm (only for resolution 30 mm, 50 mm)
1770 Protection field height 1770 mm (only for resolution 30 mm, 50 mm)

(2)
14 Resolution 14 mm
30 Resolution 30 mm
50 Resolution 50 mm

(3)
without Included in standard version
M master
S Slave (for protection field heights from 170 to 650 mm only)

(4)
without Range 0.3 m ... 7 m (only for resolution 14 mm)
without Range 0.3 m ... 10 m (only for resolution 30 mm, 50 mm)
H Range 0.3 m ... 18 m (only for resolution 30 mm)

Pictures

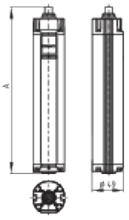
Photo/Product/Catalogue



ID: kslc4f20

| 67,9 kB | .png | 74.083 x 179.564 mm - 210 x 509 Pixel - 72 dpi
| 687,4 kB | .jpg | 257.528 x 625.122 mm - 730 x 1772 Pixel - 72 dpi

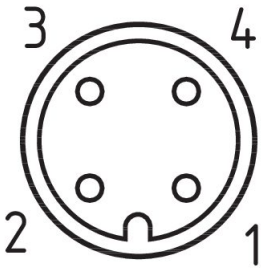
Dimension/Product/Basic



ID: 1slc4g03

| 65,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 5,7 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 52,1 kB | .cdr |

Graphic/Product/PIN



ID: km12-k4b

| 16,9 kB | .cdr |

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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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