



SLC 420-E/R0970-14-69-RFB

- Protection class IP69K
- Resolution 14 mm and 30 mm
- Safety type 4 in accordance with IEC 61496-1
- Protection field height from 170 mm ... 1450 mm

Data

Ordering data

SLC 420-E/R0970-14-69-RFB

101207014

eCl@ss number, Version 9.0

27-27-27-04

Approval - Standards

TÜV

cULus

EAC

General data

Product name	SLC 420 IP 69K Safety light curtain
	IEC/EN 61496-1/-2
Enclosure material	Aluminium
Gross weight	5,690 g
Reaction time, maximum	20 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	96
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	970 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal Connector	Connector
Length of cable	5 m
Terminal connector, Recipient	Cable with connector plug M12, 8-pole
Terminal, Connector, Transmitter	Cable with connector plug M12, 4-pole
Length of the connectable cable, maximum	100 m

Mechanical data - Dimensions

Diameter of sensor	60 mm
Height of sensor	1,067 mm

Ambient conditions

Protection class	IP69K 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
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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.
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Ordering code

Product type description:

SLC 420-E/R(1)-(2)-69-RFB

(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

(2)

- 14** Resolution 14 mm (Range 0.3 ...) 7 m
- 30** Resolution 30 mm (Range 0.3 ...) 10 m

Pictures

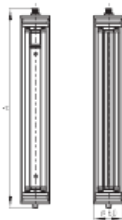
Photo/Product/Catalogue



ID: kslc2f02

| 549,9 kB | .jpg | 315.736 x 750.006 mm - 895 x 2126
Pixel - 72 dpi
| 43,1 kB | .png | 74.083 x 175.683 mm - 210 x 498
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1slc2g05

| 2,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi
| 71,6 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi
| 91,4 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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