



SLC 420-E/R0970-30-69-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/R0970-30-69-RFB

101206962

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	5,850 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	48
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	30 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	10,000 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
----------------------	----------------------------

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)-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

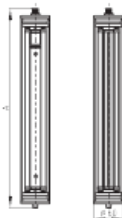
Photo/Product/Catalogue



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 |

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 042021-01-31T09:08:04+01:000901Europe/BerlinSun, 31 Jan 2021 09:08:04

+010004amSunday.31am31Europe/BerlinCET0801Europe/BerlinJanuary2021Sun, 31 Jan 2021 09:08:04
+010001am31