

SLC 420-E/R0570-14-69-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/R0570-14-69-RFB
	101207008
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	3,790 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	56
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	570 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	667 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:

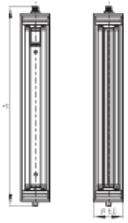
SLC 420-E/R(1)-(2)-69-RFB

(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 |

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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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