

Archive



### SLC 420-E/R0890-50-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

Product type description	SLC 420-E/R0890-50-RFB
Article number (order number)	101207071
EAN (European Article Number)	4030661461540
eCI@ss number, Version 9.0	27-27-27-04

### Approval - Standards

Certificates	TÜV cULus EAC
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### General data

Product name	SLC 420 Safety light curtain
Standards	IEC/EN 61496-1/-2
Enclosure material	Aluminium
Gross weight	3,690 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	22
Number of fail-safe digital outputs	2

### Safety appraisal

Standards	ISO 13849-1 IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	$6.19 \times 10^{-9}$ /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	50 mm
Range, protection field, minimum	300 mm
Range, protection field, maximum	10,000 mm
Height of the protection field	890 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	975 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

Protection rating 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

Recommended safety switchgear SRB-E 301

### Notes

Note (General)  $I_{leak}$  In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.

## Pictures

### Product picture (catalogue individual photo)

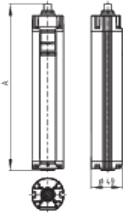


ID: kslc4f20

| 687,4 kB | .jpg | 257.528 x 625.122 mm - 730 x 1772  
Pixel - 72 dpi

| 67,9 kB | .png | 74.083 x 179.564 mm - 210 x 509  
Pixel - 72 dpi

### Dimensional drawing basic component



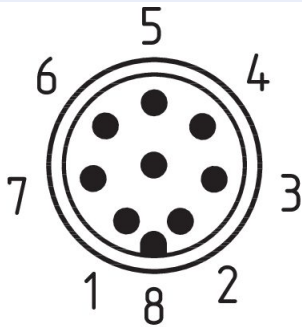
ID: 1slc4g03

| 5,7 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 65,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi

| 52,1 kB | .cdr |

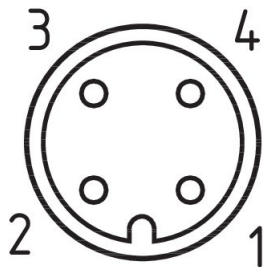
### Contact arrangement



ID: km23-k8b

| 18,2 kB | .cdr |

### Contact arrangement



ID: km12-k4b

| 16,9 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 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 18.11.2020 09:30:03