

## SLC 420-E/R0570-30-69-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/R0570-30-69-RFB |
| | 101206957 |
| eCl@ss number, Version 9.0 | 27-27-27-04 |
| **Approval - Standards** | |
| | TÜV<br>cULus<br>EAC |
| **General data** | |
| Product name | SLC 420 IP 69K Safety light curtain |
| | IEC/EN 61496-1/-2 |
| Enclosure material | Aluminium |
| Gross weight | 3,950 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 | 28 |
| Number of fail-safe digital outputs | 2 |

| | |
|---|---|
| **Safety appraisal** | |
| | ISO 13849-1<br>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 | 30 mm |
| Range, protection field, minimum | 300 mm |
| Range, protection field, maximum | 10,000 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<sub>m</sub> In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA. |
| **Ordering code** | |

Product type description:

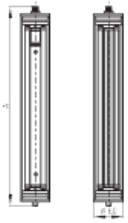
SLC 420-E/R(1)-(2)-69-RFB

(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<br><br>\| 549,9 kB \| .jpg \| 315.736 x 750.006 mm - 895 x 2126 Pixel - 72 dpi<br>\| 43,1 kB \| .png \| 74.083 x 175.683 mm - 210 x 498 Pixel - 72 dpi |
| **Dimension/Product/Basic** | |
|  | ID: 1slc2g05<br><br>\| 2,5 kB \| .png \| 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi<br>\| 71,6 kB \| .jpg \| 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi<br>\| 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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