



## SLG 420-E/R0800-03-RFH

- Range up to 50 m
- Protection class IP69K
- Protection class IP67
- Safety type 4 in accordance with IEC 61496-1

## Data

### Ordering data

|                               |                        |
|-------------------------------|------------------------|
| Product type description      | SLG 420-E/R0800-03-RFH |
| Article number (order number) | 101207363              |
| EAN (European Article Number) | 4030661460888          |
| eCl@ss number, version 12.0   | 27-27-27-03            |
| eCl@ss number, version 11.0   | 27-27-27-03            |
| eCl@ss number, version 9.0    | 27-27-27-03            |
| ETIM number, version 7.0      | EC001832               |
| ETIM number, version 6.0      | EC001832               |

### Approvals - Standards

|              |              |
|--------------|--------------|
| Certificates | TÜV<br>cULus |
|--------------|--------------|

### General data

|                        |                                  |
|------------------------|----------------------------------|
| Standards              | EN IEC 61496-2<br>EN IEC 61496-1 |
| Housing material       | Aluminium                        |
| Reaction time, maximum | 10 ms                            |

|              |         |
|--------------|---------|
| Gross weight | 3,780 g |
|--------------|---------|

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Beam coding available               | Yes |
| Integral system diagnostics, status | Yes |
| Integral system diagnostics         | Yes |
| Number of fail-safe digital outputs | 2   |

### Safety classification

|                                                            |                                |
|------------------------------------------------------------|--------------------------------|
| Standards                                                  | EN ISO 13849-1<br>EN IEC 61508 |
| Performance Level, up to                                   | e                              |
| Category                                                   | 4                              |
| PFH value                                                  | $6.19 \times 10^{-9}$ /h       |
| Safety Integrity Level (SIL), suitable for applications in | 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 | 400 mm |
| Height of the protection field                     | 800 mm |
| Range, protection field, minimum                   | 8 m    |
| Range, protection field, maximum                   | 50 m   |
| Wave length of the laserdiode                      | 880 nm |

### Mechanical data - Connection technique

|                 |       |
|-----------------|-------|
| Length of cable | 100 m |
|-----------------|-------|

|                                  |                            |
|----------------------------------|----------------------------|
| Termination                      | Connector                  |
| Terminal connector, Recipient    | Connector plug M12, 8-pole |
| Terminal, Connector, Transmitter | Connector plug M12, 4-pole |

## Mechanical data - Dimensions

|                    |       |
|--------------------|-------|
| Diameter of sensor | 49 mm |
|--------------------|-------|

## Ambient conditions

|                                   |                |
|-----------------------------------|----------------|
| Degree of protection              | IP67           |
| Ambient temperature               | -25 ... +50 °C |
| Storage and transport temperature | -25 ... +70 °C |
| Protection class                  | III            |

## Electrical data

|                                                 |       |
|-------------------------------------------------|-------|
| Switching voltage OSSD, HIGH signal             | 24 V  |
| Electrical power consumption of the receiver    | 8 W   |
| Electrical power consumption of the transmitter | 4 W   |
| Length of cable, maximum                        | 100 m |

## Electrical data - Safety digital outputs

|                                             |        |
|---------------------------------------------|--------|
| Output current, (fail-safe output), maximum | 0.5 A  |
| Design of control elements                  | p-type |

## Scope of delivery

|                   |                            |
|-------------------|----------------------------|
| Scope of delivery | Kit with 2 mounting angles |
|-------------------|----------------------------|

## Accessory

**Note**

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

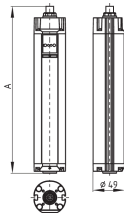
**Pictures**

**Product picture (catalogue individual photo)**



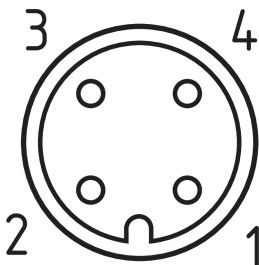
ID: kslc4f20  
| 687.4 kB | .jpg | 257.528 x 625.122 mm - 730 x 1772 px - 72 dpi  
| 67.9 kB | .png | 74.083 x 179.564 mm - 210 x 509 px - 72 dpi  
| 29.0 kB | .jpg | 50.8 x 123.472 mm - 144 x 350 px - 72 dpi

**Dimensional drawing basic component**



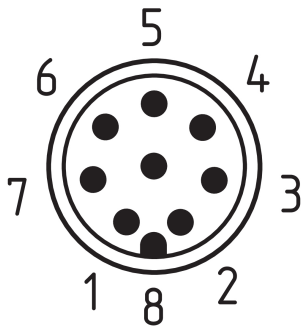
ID: 1slc4g03  
| 52.1 kB | .cdr |  
| 5.7 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi  
| 65.5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

**Contact arrangement**



ID: km12-k4b  
| 16.9 kB | .cdr |  
| 4.4 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi  
| 123.6 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi

**Contact arrangement**



ID: km23-k8b

| 5.3 kB | .png | 73.731 x 79.728 mm - 209 x 226 px - 72 dpi

| 139.8 kB | .jpg | 352.778 x 380.647 mm - 1000 x 1079 px - 72 dpi

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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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