



SLG 420-E/R0800-03-RFH

- 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 9.0	27-27-27-03
eCl@ss number, Version 11.0	27-27-27-03

Approval - Standards

Certificates	TÜV cULus EAC
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General data

Standards	IEC/EN 61496-1/-2
Enclosure material	Aluminium
Gross weight	3,780 g
Reaction time, maximum	10 ms

General data - Features

Restart interlock (manual reset)	Yes
Beam coding available	Yes
Integral System Diagnostics, status	Yes
Integral System Diagnostics	Yes
Number of beams	3
Number of fail-safe digital outputs	2

Safety appraisal

Standards	EN 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), 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	800 mm
Height of the protection field	800 mm
Range, protection field, minimum	8,000 mm
Range, protection field, maximum	50,000 mm
Wave length of the sensor	880 nm

Mechanical data - Connection technique

Terminal Connector	Connector
Length of cable	100 m
Terminal connector, Recipient	Connector plug M12, 8-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole

Mechanical data - Dimensions

Height of transmitter	920 mm
Height of Receiver	935 mm
Diameter of sensor	49 mm

Ambient conditions

Degree of protection	IP67 to EN 60529
Ambient temperature, minimum	-25 °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
Length of cable, maximum	100 m

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
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Accessory

Recommended safety switchgear	SRB-E 301
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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:
SLG 420-E/R(1)-(2)-RF(3)

(1)

0500-02	Distance between outermost beams 500 mm, 2-beam
0800-03	Distance between outermost beams 800 mm, 3-beam
0900-04	Distance between outermost beams 900 mm, 4-beam

(2)

without	Protection class IP67
69	Protection class IP 69K

(3)

without	Range 0.3 m ... 10 m
H	Range 8 m ... 40 m

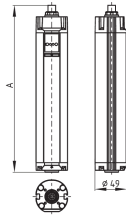
Pictures

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

Dimensional drawing basic component



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| 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 |

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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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