

SLG 420-E/R0500-02-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/R0500-02-RFH
Article number (order number)	101207362
EAN (European Article Number)	4030661460871
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 cULus
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General data

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

Gross weight 2,780 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 EN IEC 61508
Performance Level, up to	e
Category	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	500 mm
Height of the protection field	500 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
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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
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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
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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)



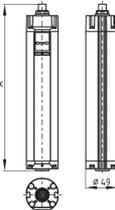
ID: kslc4f20

| 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



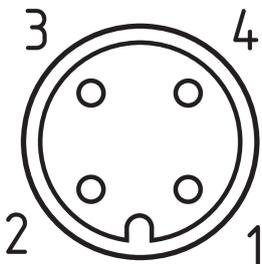
ID: 1slc4g03

| 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



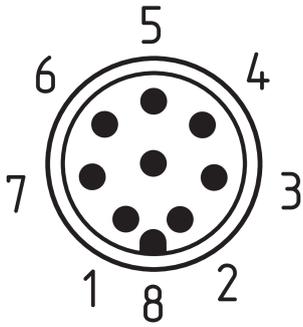
ID: km12-k4b

| 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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