



SLG440-ER-0500-02-H1

- Safety type 4 in accordance with IEC 61496-1
- User-friendly parameter setting, no tools required
- Reliable safety concept in case of interferences (EMC, welding sparks)
- Process safety with highest availability
- active integrated set-up tool
- optional degree of protection IP69 with protective enclosure (accessories)

Data

Ordering data

Product type description	SLG440-ER-0500-02-H1
Article number (order number)	103009189
EAN (European Article Number)	4030661458595
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 ECOLAB
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General data

Standards	CLC/TS 61496-2 EN IEC 61496-2 EN IEC 61496-1
Housing material	Aluminium
Reaction time, maximum	10 ms
Gross weight	1,029 g

General data - Features

Restart interlock (manual reset)	Yes
Beam coding available	Yes
Blanking function	Yes
7-segment display	Yes
Integral system diagnostics, status	Yes
Integral system diagnostics	Yes
Bluetooth	Yes
Number of fail-safe digital outputs	2
Number of beams	2

Safety classification

Standards	EN ISO 13849-1 EN IEC 62061
Performance Level, up to	e
Category	4
PFH value	5.14×10^{-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
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Height of the protection field	500 mm
Range, protection field, minimum	3 m
Range, protection field, maximum	20 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

Height of transmitter	610 mm
Height of Receiver	620 mm
Length of sensor	33 mm
Width of sensor	27.8 mm

Ambient conditions

Degree of protection	IP66 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, maximum	10 W
Electrical power consumption of the transmitter, maximum	5 W

Electrical data - Safety digital outputs

Output current, (fail-safe output), maximum	0.25 A
Design of control elements	p-type

Scope of delivery

Scope of delivery	Kit with 2 mounting angles
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Accessory

Recommended safety switchgear	SRB-E 301
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Note

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

Product type description:
SLG 440-E/R(1)-01

(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

Pictures

Product picture (catalogue individual photo)



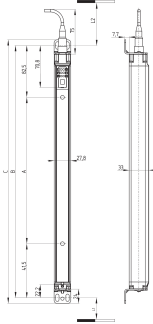
ID: kslc4f37

| 34.2 kB | .png | 74.083 x 158.397 mm - 210 x 449 px - 72 dpi

| 336.4 kB | .jpg | 292.1 x 625.122 mm - 828 x 1772 px - 72 dpi

| 23.1 kB | .jpg | 57.856 x 123.472 mm - 164 x 350 px - 72 dpi

Dimensional drawing basic component



ID: kslg4g15

| 52.9 kB | .cdr |

| 5.9 kB | .png | 74.083 x 156.281 mm - 210 x 443 px - 72 dpi

| 225.3 kB | .jpg | 352.778 x 745.067 mm - 1000 x 2112 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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