



SLG445-ER-0500-02-01

- 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
- Multifunctional

Data

Ordering data

Product type description	SLG445-ER-0500-02-01
Article number (order number)	103005424
EAN (European Article Number)	4030661436388
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	CLC/TS 61496-2 EN IEC 61496-2 EN IEC 61496-1
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Housing material	Aluminium
Reaction time, maximum	10 ms
Gross weight	980 g

General data - Features

Muting function	Yes
Override	Yes
Clock control possible	Yes
Restart interlock (manual reset)	Yes
Beam coding available	Yes
7-segment display	Yes
Integral system diagnostics, status	Yes
Integral system diagnostics	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
Height of the protection field	500 mm

Range, protection field, minimum	0.3 m
Range, protection field, maximum	12 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, 12-pole
Terminal, Connector, Transmitter	Connector plug M12, 4-pole

Mechanical data - Dimensions

Length of sensor	33 mm
Width of sensor	27.8 mm
Height of the Sensor (Receiver)	621 mm
Height of the Sensor (Transmitter)	611 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, maximum	10 W
Electrical power consumption of the transmitter, maximum	5 W
Length of cable, maximum	100 m

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:
SLG445-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

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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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