



SLG440-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
- optional degree of protection IP69 with protective enclosure (accessories)

Data

Ordering data

Product type description	SLG440-ER-0500-02-01
Article number (order number)	101216821
EAN (European Article Number)	4030661415536
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
--------------	------------------------

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
--	--------

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, 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

Accessory

Recommended safety switchgear SRB-E 301

Note

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 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)



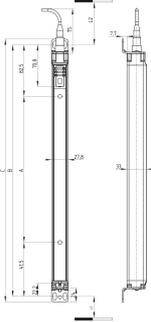
ID: kslc4f37

| 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

Schmersal India Pvt. Ltd., Plot No - G-7/1, Ranjangaon MIDC, Tal. - Shirur, Dist.- Pune 412 220

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.

Generated on: 27/08/2024, 7:41 am