



## SLC440-ER-1690-14-01

### Data

#### Ordering data

|                               |                      |
|-------------------------------|----------------------|
|                               | SLC440-ER-1690-14-01 |
|                               | 103009249            |
| EAN (European Article Number) | 4030661458519        |
| eCl@ss number, Version 9.0    | 27-27-27-04          |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                        |                              |
|------------------------|------------------------------|
| Product name           | SLC 440 Safety light curtain |
|                        | EN 61496-1                   |
|                        | EN 61496-2                   |
| Enclosure material     | Aluminium                    |
| Gross weight           | 2,830 g                      |
| Reaction time, maximum | 28 ms                        |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Contactor control integrated        | Yes |
| Beam coding available               | Yes |
| Hide function                       | Yes |
| 7-segment display                   | Yes |
| Integral System Diagnostics, status | Yes |
| Integral System Diagnostics         | Yes |

|                                     |     |
|-------------------------------------|-----|
| Bluetooth                           | Yes |
| Number of beams                     | 168 |
| Number of fail-safe digital outputs | 2   |

#### Safety appraisal

|                                              |                          |
|----------------------------------------------|--------------------------|
|                                              | ISO 13849-1<br>EN 62061  |
| Performance level, up to                     | e                        |
| Control category to EN13849                  | 4                        |
| PFH-value                                    | $5.14 \times 10^{-9}$ /h |
| Safety Integrity Level (SIL), applicable for | 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 | 14 mm    |
| Range, protection field, minimum                 | 300 mm   |
| Range, protection field, maximum                 | 7,000 mm |
| Height of the protection field                   | 1,690 mm |
| Wave length of the sensor                        | 880 nm   |

#### Mechanical data - Connection technique

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

#### Mechanical data - Dimensions

|                       |          |
|-----------------------|----------|
| Height of transmitter | 1,771 mm |
| Height of Receiver    | 1,781 mm |
| Length of sensor      | 33 mm    |
| Width of sensor       | 27.8 mm  |

#### Ambient conditions

|                                            |                       |
|--------------------------------------------|-----------------------|
| Protection class                           | IP 67 to IEC/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 |
|--------------------------------------------|--------|

III

#### Electrical data

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Voltage type                                             | DC (direct current) |
| 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 - Fail-safe digital outputs

|                                             |        |
|---------------------------------------------|--------|
| Output current, (fail-safe output), maximum | 0.3 A  |
| Versions                                    | p-type |

#### Scope of delivery

|                      |                            |
|----------------------|----------------------------|
| Included in delivery | Kit with 2 mounting angles |
|----------------------|----------------------------|

#### Accessory

SRB-E 301

#### Notes

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Note (General) | $I_{\text{m}}$ In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA. |
|----------------|---------------------------------------------------------------------------------------------------------|

#### Ordering code

Product type description:

SLC440-ER(1)-(2)-01

(1)

**0170** Protection field height 170 mm

**0250** Protection field height 250 mm

**0330** Protection field height 330 mm

**0410** Protection field height 410 mm

**0490** Protection field height 490 mm

**0570** Protection field height 570 mm

**0650** Protection field height 650 mm

**0730** Protection field height 730 mm

**0810** Protection field height 810 mm

- 0890** Protection field height 890 mm
- 0970** Protection field height 970 mm
- 1050** Protection field height 1050 mm
- 1130** Protection field height 1130 mm
- 1210** Protection field height 1210 mm
- 1290** Protection field height 1290 mm (only for resolution 30 mm, 50 mm)
- 1370** Protection field height 1370 mm (only for resolution 30 mm, 50 mm)
- 1450** Protection field height 1450 mm (only for resolution 30 mm, 50 mm)
- 1530** Protection field height 1530 mm (only for resolution 30 mm, 50 mm)
- 1610** Protection field height 1610 mm (only for resolution 30 mm, 50 mm)
- 1690** Protection field height 1690 mm (only for resolution 30 mm, 50 mm)
- 1770** Protection field height 1770 mm (only for resolution 30 mm, 50 mm)

(2)

- 14** Resolution 14 mm (Range 0.3 ...) 7 m
- 30** Resolution 30 mm (Range 0.3 ...) 10 m

**Pictures**

**Photo/Product/Catalogue**

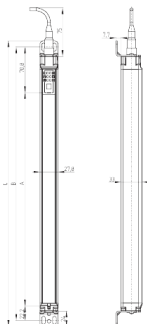


ID: kslc4f37

| 34,2 kB | .png | 74.083 x 158.397 mm - 210 x 449  
Pixel - 72 dpi

| 336,4 kB | .jpg | 292.1 x 625.122 mm - 828 x 1772  
Pixel - 72 dpi

**Dimension/Product/Basic**



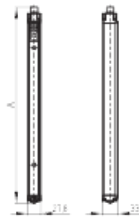
ID: 5slc4g17

| 49,3 kB | .cdr |

| 5,5 kB | .png | 74.083 x 161.925 mm - 210 x 459  
Pixel - 72 dpi

| 214,0 kB | .jpg | 352.778 x 770.819 mm - 1000 x  
2185 Pixel - 72 dpi

**Dimension/Product/Basic**



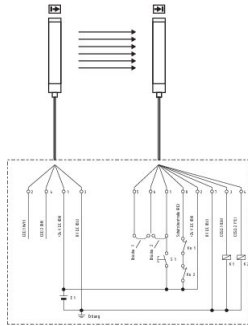
ID: 1slg4g15

| 2,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

| 55,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi

| 43,2 kB | .cdr |

## Graphic/Product/Wiring



ID: kslc4l34

| 154,7 kB | .jpg | 352.425 x 464.608 mm - 999 x 1317  
Pixel - 72 dpi

| 28,5 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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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