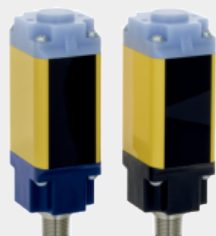


## SLB440-ER-4-ST



- SLB 440 Series -
- Safe OSSD outputs to PLe
- Automatic start or restart interlock
- Set-up tool and diagnostic indication
- Height range 75 m (Reserve up to 90 m)
- Compact design With integral evaluation
- Sturdy metal enclosure with M12 connector or cable
- Version with heater for outdoor applications down to -30°C

### Data

#### Ordering data

|                               |                |
|-------------------------------|----------------|
|                               | SLB440-ER-4-ST |
|                               | 103013524      |
| EAN (European Article Number) | 4030661492360  |
| eCl@ss number, Version 9.0    | 27-27-27-01    |

#### Approval - Standards

TÜV  
cULus  
EAC

#### General data

|                            |            |
|----------------------------|------------|
|                            | SLB440     |
|                            | EN 61496-1 |
|                            | EN 61496-2 |
| Coding, light barrier beam | 4          |
| Enclosure material         | Aluminium  |
| Gross weight               | 170 g      |
| Reaction time, maximum     | 22 ms      |
| Reaction time, minimum     | 7 ms       |

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Restart interlock (manual reset)    | Yes |
| Beam coding available               | Yes |
| Integral System Diagnostics, status | Yes |
| Integral System Diagnostics         | Yes |
| Number of beams                     | 1   |
| 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                                    | $1.50 \times 10^{-8}$ /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 | 40 mm     |
| Range, protection field, minimum                   | 300 mm    |
| Range, protection field, maximum                   | 15,000 mm |
| Wave length of the sensor                          | 880 nm    |

### Mechanical data - Connection technique

|                                  |                            |
|----------------------------------|----------------------------|
| Terminal Connector               | Connector M12              |
| Terminal connector, Recipient    | Connector plug M12, 5-pole |
| Terminal, Connector, Transmitter | Connector plug M12, 4-pole |

### Mechanical data - Dimensions

|        |         |
|--------|---------|
| Width  | 27.8 mm |
| Height | 91 mm   |
| Length | 33 mm   |

### Ambient conditions

|                                            |                       |
|--------------------------------------------|-----------------------|
| Protection class                           | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum               | -30 °C                |
| Ambient temperature, maximum               | +50 °C                |
| Storage and transport temperature, minimum | -30 °C                |
| Storage and transport temperature, maximum | +70 °C                |

## Electrical data

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Voltage type                                             | DC (direct current) |
| Switching voltage OSSD, HIGH signal                      | 24 V                |
| Electrical power consumption of the receiver, maximum    | 5 W                 |
| Electrical power consumption of the transmitter, maximum | 5 W                 |
| Length of cable, maximum                                 | 100 m               |

## Electrical data - Fail-safe digital outputs

|                                             |        |
|---------------------------------------------|--------|
| Output current, (fail-safe output), maximum | 0.2 A  |
| Versions                                    | p-type |

## Accessory

PROTECT PSC1  
SRB-E-204ST

## Pictures

### Photo/Product/Catalogue



ID: kslb4f05

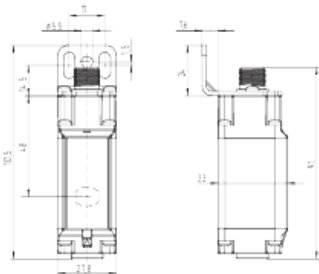
| 23,4 kB | .png | 74.083 x 59.619 mm - 210 x 169

Pixel - 72 dpi

| 335,5 kB | .jpg | 352.778 x 284.339 mm - 1000 x 806

Pixel - 72 dpi

### Dimension/Product/Basic



ID: kslb4g03

| 132,2 kB | .jpg | 352.778 x 302.331 mm - 1000 x 857

Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 63.5 mm - 210 x 180 Pixel -  
72 dpi

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.

Generated on 352021-01-31T07:30:35+01:000701Europe/BerlinSun, 31 Jan 2021 07:30:35

+010035amSunday.31am31Europe/BerlinCET3001Europe/BerlinJanuary2021Sun, 31 Jan 2021 07:30:35

+010001am31