

### SLB240-ER-4-ST

- Range 15 m
- SLB 240 Series -
- Safe OSSD outputs to PLC
- Automatic start or restart interlock
- Set-up tool and diagnostic indication
- Compact design With integral evaluation
- Sturdy metal enclosure with M12 connector or cable

## Data

### Ordering data

|                               |                |
|-------------------------------|----------------|
|                               | SLB240-ER-4-ST |
|                               | 103013805      |
| EAN (European Article Number) | 4030661492445  |
| eCl@ss number, Version 9.0    | 27-27-27-01    |

### Approval - Standards

TÜV  
cULus  
EAC

### General data

|                            |            |
|----------------------------|------------|
|                            | SLB240     |
|                            | 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                     | c                        |
| Control category to EN13849                  | 2                        |
| PFH-value                                    | $1.50 \times 10^{-8}$ /h |
| Safety Integrity Level (SIL), applicable for | 1                        |
| Mission Time                                 | 20 Year(s)               |
| Safety type in accordance with IEC 61496-1   | 2                        |

#### 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                |
|                                            | III                   |

#### 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**

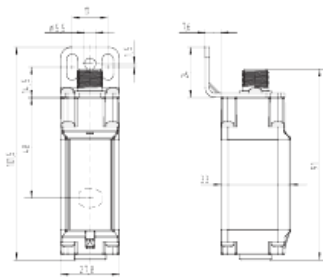


ID: kslb4f05

| 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

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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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