



# **SSP**

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## Safety System Products

### **EOS2 3B A**

**Safety light curtain for access control with automatic restart**

### **Your advantages**

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**we simplify safety**

## EOS2 3B A

### General data

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| Item number      | SP-R-13-206-01                                                 |
| Type designation | EOS2 3B A                                                      |
| Functional type  | Safety light curtain for access control with automatic restart |
| Number of beams  | 3                                                              |
| Signalling       | LEDs for status and diagnostics of the light curtain           |
| Detection        | Access control                                                 |

### Safety data

|                                          |                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| SIL (acc. IEC 62061)                     | Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2                                                                     |
| MTTFd (ISO 13849-1) years                | 524.1                                                                                                       |
| PFHd (EN ISO 13849)                      | 1.87E-08                                                                                                    |
| Approvals                                | CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; UKCA |
| Performance Level (EN ISO 13849-1: 2015) | Typ 2 - PL c                                                                                                |
| Safety functions                         | With external module                                                                                        |

### Environmental conditions

|                            |                |
|----------------------------|----------------|
| Protective covers          | None           |
| Max. operating temperature | - 30 ... 55 °C |

### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Response times     | 3.5                                                                                                      |
| Max. voltage (VDC) | 24 ± 20%                                                                                                 |
| Safety output type | 2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and polarity reversal |
| Safety outputs     | 2 OSSD PNP (400 mA at 24 VDC)                                                                            |

### Mechanical data

|                       |     |
|-----------------------|-----|
| Protected height (mm) | 810 |
|-----------------------|-----|

### EOS2 3B A

|                                     |                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Resolution (mm)                     | Multi-beams                                                                                                           |
| Controlled height (mm)              | 890                                                                                                                   |
| Max. Range (m)                      | 12                                                                                                                    |
| Restart                             | Automatic                                                                                                             |
| Total height (mm)                   | 953                                                                                                                   |
| Cross-sectional dimensions (mm)     | 28 x 30                                                                                                               |
| Mounting                            | Back slot with LE-type brackets (included in delivery) or at the top and bottom with SFB E swivel brackets (optional) |
| Max. Length of connection cable (m) | 100 (50 between master and slave)                                                                                     |
| Connections                         | M12 5-pole connectors                                                                                                 |
| Packaging dimensions HxLxW (mm)     | 145 x 1010 x 200                                                                                                      |
| Gross weight (g)                    | 3061.66                                                                                                               |

### Equipment

#### Accessories

|                                   |      |                |                                                                                       |
|-----------------------------------|------|----------------|---------------------------------------------------------------------------------------|
| M12-female connector, 5 pin, 10 m | CD10 | SP-R-13-309-56 |  |
| M12-female connector, 5 pin, 15 m | CD15 | SP-R-13-309-52 |  |
| M12-female connector, 5 pin, 20 m | CD20 | SP-R-13-309-57 |  |
| M12-female connector, 5 pin, 25 m | CD25 | SP-R-13-309-49 |  |

## EOS2 3B A

M12-female connector, 5 pin, 5 m

CD5

SP-R-13-309-50



M12-female connector, 5 pin, 50 m

CD50

SP-R-13-309-65



### Downloads

- EOS2 3B A