



# **SSP**

Safety System Products

## **EOS2 2B X WTHF**

**Safety light curtain with heated, waterproof housing,  
IP69K/Ecolab certified, Automatic/Manual restart and EDM,  
Pre-wired with 10 m lead cable**

### **Your advantages**

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**we simplify safety**

## EOS2 2B X WTHF

### General data

|                  |                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Item number      | SP-R-11-206-25                                                                                                                                 |
| Type designation | EOS2 2B X WTHF                                                                                                                                 |
| Functional type  | Safety light curtain with heated, waterproof housing, IP69K/Ecolab certified, Automatic/Manual restart and EDM, Pre-wired with 10 m lead cable |
| Number of beams  | 2                                                                                                                                              |
| Signalling       | LEDs for status and diagnostics of the light curtain                                                                                           |
| Detection        | Access control                                                                                                                                 |

### Safety data

|                                          |                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| MTTFd (ISO 13849-1) years                | 100                                                                                                                |
| SIL (acc. IEC 62061)                     | Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2                                                                            |
| PFHd (EN ISO 13849)                      | 1.71E-08                                                                                                           |
| Approvals                                | CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; IP69K; UKCA |
| Performance Level (EN ISO 13849-1: 2015) | Typ 2 - PL c                                                                                                       |
| Safety functions                         | Integrated                                                                                                         |

### Environmental conditions

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Protective covers          | Food industry IP69K                             |
| Max. operating temperature | - 25 ... 50 °C                                  |
| Max. Water pressure (bar)  | 80 ... 100                                      |
| Special versions           | Waterproof housing   Food and beverage   Heated |

### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Max. voltage (VDC) | 24 ± 20%                                                                                                 |
| Response times     | 3                                                                                                        |
| 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)                                                                            |

## EOS2 2B X WTHF

### Mechanical data

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Protected height (mm)               | 510                                            |
| Resolution (mm)                     | Multi-beams                                    |
| Controlled height (mm)              | 500                                            |
| Max. Range (m)                      | 10                                             |
| Restart                             | Built-in - user selectable automatic or manual |
| Total height (mm)                   | 777                                            |
| Mounting                            | Set of 4 ring holders (included in delivery)   |
| Max. Length of connection cable (m) | 100                                            |
| Connections                         | Cable output                                   |
| Diameter (mm)                       | 56                                             |
| Packaging dimensions HxLxW (mm)     | 145 x 900 x 200                                |
| Gross weight (g)                    | 4822.89                                        |
| Food-grade materials                | Yes                                            |

### Downloads

- EOS2 2B X WTHF