



# **SSP**

**Safety System Products**

## **EOS4 1051 X WTHF**

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

### **Your advantages**

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**we simplify safety**

## EOS4 1051 X WTHF

### General data

|                  |                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item number      | SP-R-11-100-46                                                                                                                                                      |
| Type designation | EOS4 1051 X WTHF                                                                                                                                                    |
| Functional type  | Safety light curtain for finger detection with heated, waterproof housing, IP69K/Ecolab certified, Automatic/Manual restart and EDM, Pre-wired with 10 m line cable |
| Number of beams  | 105                                                                                                                                                                 |
| Signalling       | LEDs for status and diagnostics of the light curtain                                                                                                                |
| Detection        | Finger                                                                                                                                                              |

### Safety data

|                                          |                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| SIL (acc. IEC 62061)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                                            |
| MTTFd (ISO 13849-1) years                | 100                                                                                                                                 |
| PFHd (EN ISO 13849)                      | 2.49E-08                                                                                                                            |
| Approvals                                | CE; TÜV SUD; UL Listed ESPE; S Mark - Korea; TS - Taiwan; WEEE; Insulation Class; Low Voltage; China RoHs; IP65 - IP67; IP69K; UKCA |
| Performance Level (EN ISO 13849-1: 2015) | Type 4 - PL e                                                                                                                       |
| 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 |
| Protection class           | IP69K                                           |

### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Response times     | 4                                                                                                        |
| Safety output type | 2 fail-safe PNP (400 mA at 24 VDC) with protection against short circuit, overload and polarity reversal |

## EOS4 1051 X WTHF

|                |                               |
|----------------|-------------------------------|
| Safety outputs | 2 OSSD PNP (400 mA at 24 VDC) |
|----------------|-------------------------------|

### Mechanical data

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Protected height (mm)               | 1060                                           |
| Resolution (mm)                     | 14                                             |
| Controlled height (mm)              | 1050                                           |
| Max. Range (m)                      | 5                                              |
| Restart                             | Built-in - user selectable automatic or manual |
| Total height (mm)                   | 1237                                           |
| 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)     | 0 x 0 x 0                                      |
| Food-grade materials                | Yes                                            |

### Downloads