



# SSP

Safety System Products

## EOS4 453 XTL

**Safety light curtain for hand detection with automatic/manual restart and EDM, High vibration resistant, Reduced range**

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**we simplify safety**



## Safety System Products

### EOS4 453 XTL

#### General data

|                  |                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------|
| Item number      | SP-R-13-108-20                                                                                                         |
| Type designation | EOS4 453 XTL                                                                                                           |
| Functional type  | Safety light curtain for hand detection with automatic/manual restart and EDM, High vibration resistant, Reduced range |
| Number of beams  | 23                                                                                                                     |
| Signalling       | LEDs for status and diagnostics of the light curtain                                                                   |
| Detection        | Hand                                                                                                                   |
| Range (m)        | 6                                                                                                                      |

#### Safety data

|                                          |                                                                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| MTTFd (ISO 13849-1) years                | 315.6                                                                                                                           |
| SIL (acc. IEC 62061)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                                        |
| PFHd (EN ISO 13849)                      | 3.31E-08                                                                                                                        |
| Approvals                                | CE; TÜV SUD; UL Listed ESPE; WEEE; Insulation class; Low voltage; China RoHs; IP65 - IP67; UKCA; Resistant to strong vibrations |
| Performance Level (EN ISO 13849-1: 2015) | Type 4 - PL e                                                                                                                   |
| Safety functions                         | With external module                                                                                                            |

#### Environmental conditions

|                            |                 |
|----------------------------|-----------------|
| Protective covers          | None            |
| Max. operating temperature | - 30 ... 55 °C  |
| Special versions           | High vibrations |
| Protection class           | IP65 - IP67     |

#### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Response times     | 8                                                                                                        |
| 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)                                                                            |

### EOS4 453 XTL

#### Mechanical data

|                                     |                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Protected height (mm)               | 460                                                                                                                                    |
| Resolution (mm)                     | 30                                                                                                                                     |
| Controlled height (mm)              | 450                                                                                                                                    |
| Max. Range (m)                      | 6                                                                                                                                      |
| Restart                             | Built-in - user selectable automatic or manual                                                                                         |
| Total height (mm)                   | 513                                                                                                                                    |
| Cross-sectional dimensions (mm)     | 28 x 30                                                                                                                                |
| Mounting                            | Rear slot with a set of LE brackets (included in the scope of delivery) or at the top and bottom with SFB E swivel brackets (optional) |
| Max. Length of connection cable (m) | 100                                                                                                                                    |
| Connections                         | M12 5-pin connector (transmitter), M12 8-pin connector (receiver)                                                                      |
| Packaging dimensions HxLxW (mm)     | 145 x 540 x 200                                                                                                                        |
| Gross weight (g)                    | 1831.96                                                                                                                                |

#### Equipment

##### Accessories

|                                   |       |                |                                                                                       |
|-----------------------------------|-------|----------------|---------------------------------------------------------------------------------------|
| M12-female connector, 8 pin, 10 m | C8D10 | SP-R-13-309-81 |  |
| M12-female connector, 8 pin, 15 m | C8D15 | SP-R-13-309-82 |  |
| M12-female connector, 8 pin, 25 m | C8D25 | SP-R-13-309-67 |  |

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|                                   |       |                |                                                                                       |
|-----------------------------------|-------|----------------|---------------------------------------------------------------------------------------|
| M12-female connector, 8 pin, 40 m | C8D40 | SP-R-13-309-66 |    |
| M12-female connector, 8 pin, 5 m  | C8D5  | SP-R-13-309-80 |    |
| 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 |  |
| 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 |  |

## EOS4 453 XTL

### Downloads