



# SSP

Safety System Products

## EOS4 1953 XH

Safety light curtain for hand detection with automatic/manual restart and EDM, Increased range

Your advantages

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we simplify safety

## EOS4 1953 XH

### General data

|                  |                                                                                                |
|------------------|------------------------------------------------------------------------------------------------|
| Item number      | SP-R-13-107-39                                                                                 |
| Type designation | EOS4 1953 XH                                                                                   |
| Functional type  | Safety light curtain for hand detection with automatic/manual restart and EDM, Increased range |
| Number of beams  | 98                                                                                             |
| Signalling       | LEDs for status and diagnostics of the light curtain                                           |
| Detection        | Hand                                                                                           |

### Safety data

|                                          |                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| MTTFd (ISO 13849-1) years                | 323                                                                                                                                 |
| SIL (acc. IEC 62061)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                                            |
| PFHd (EN ISO 13849)                      | 1.88E-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                         | Integriert                                                                                                                          |

### Environmental conditions

|                            |                |
|----------------------------|----------------|
| Max. operating temperature | - 20 ... 55 °C |
| Protective covers          | None           |
| Protection class           | IP65 - IP67    |

### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Response times     | 14                                                                                                       |
| 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) | 1960 |
|-----------------------|------|

### EOS4 1953 XH

|                                     |                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Resolution (mm)                     | 30                                                                                                                                     |
| Controlled height (mm)              | 1950                                                                                                                                   |
| Max. Range (m)                      | 20                                                                                                                                     |
| Restart                             | Built-in - user selectable automatic or manual                                                                                         |
| Total height (mm)                   | 2013                                                                                                                                   |
| 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 2070 x 200                                                                                                                       |
| Gross weight (g)                    | 5991.26                                                                                                                                |

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

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|                                   |      |                |                                                                                       |
|-----------------------------------|------|----------------|---------------------------------------------------------------------------------------|
| 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 1953 XH

### Downloads

- EOS4 1953 XH