



# SSP

Safety System Products

## EOS4 309 XS2

Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (second-tier slave model)

### Your advantages

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**we simplify safety**

## EOS4 309 XS2

### General data

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Item number         | SP-R-13-105-41                                                                                                                |
| Type designation    | EOS4 309 XS2                                                                                                                  |
| Functional type     | Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (second-tier slave model) |
| Master Slave Models | Yes                                                                                                                           |
| Number of beams     | 4                                                                                                                             |
| Signalling          | LEDs for status and diagnostics of the light curtain                                                                          |
| Detection           | Body                                                                                                                          |

### Safety data

|                                          |                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| SIL (acc. IEC 62061)                     | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4                                                                                            |
| MTTFd (ISO 13849-1) years                | 574.4                                                                                                                               |
| PFHd (EN ISO 13849)                      | 8.09E-09                                                                                                                            |
| 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          | None           |
| Max. operating temperature | - 30 ... 55 °C |
| Protection class           | IP65 - IP67    |

### Electrical data

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Response times     | See technical manual                                                                                     |
| 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

|                 |    |
|-----------------|----|
| Resolution (mm) | 90 |
|-----------------|----|

## EOS4 309 XS2

|                                     |                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Protected height (mm)               | 310                                                                                                                                    |
| Controlled height (mm)              | 300                                                                                                                                    |
| Max. Range (m)                      | 12                                                                                                                                     |
| Restart                             | Built-in - user selectable automatic or manual                                                                                         |
| Total height (mm)                   | 386.5                                                                                                                                  |
| 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 (50 between master and slave)                                                                                                      |
| Connections                         | M12 5-pin connectors                                                                                                                   |
| Packaging dimensions HxLxW (mm)     | 0 x 0 x 0                                                                                                                              |

### Downloads