



# SSP

Safety System Products

## EOS2 1809 XS

**Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (Priority Slave Model).**

### Your advantages

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**we simplify safety**

## EOS2 1809 XS

### General data

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Item number         | SP-R-13-205-77                                                                                                              |
| Type designation    | EOS2 1809 XS                                                                                                                |
| Functional type     | Safety light curtain for body detection for cascade switching with automatic/manual restart and EDM (Priority Slave Model). |
| Master Slave Models | Yes                                                                                                                         |
| Number of beams     | 24                                                                                                                          |
| Signalling          | LEDs for status and diagnostics of the light curtain                                                                        |
| Detection           | Body                                                                                                                        |

### Safety data

|                                          |                                                                                                             |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| MTTFd (ISO 13849-1) years                | 259.8                                                                                                       |
| SIL (acc. IEC 62061)                     | Typ 2 - SIL 1 - SILCL 1 - PL c - Cat. 2                                                                     |
| PFHd (EN ISO 13849)                      | 4.09E-08                                                                                                    |
| Approvals                                | CE; TÜV SUD; UL Listed ESPE; TS - Taiwan; WEEE, insulation class low voltage; China RoHs; IP65 - IP67; UKCA |
| Performance Level (EN ISO 13849-1: 2015) | Typ 2 - PL c                                                                                                |
| Safety functions                         | Integrated                                                                                                  |

### Environmental conditions

|                            |                |
|----------------------------|----------------|
| Max. operating temperature | - 30 ... 55 °C |
| Protective covers          | None           |

### Electrical data

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

### EOS2 1809 XS

|                                     |                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Protected height (mm)               | 1810                                                                                                                  |
| Controlled height (mm)              | 1800                                                                                                                  |
| Max. Range (m)                      | 12                                                                                                                    |
| Restart                             | Built-in - user selectable automatic or manual                                                                        |
| Total height (mm)                   | 1863                                                                                                                  |
| Cross-sectional dimensions (mm)     | 28 x 30                                                                                                               |
| Mounting                            | Back slot with LE-type brackets (included in 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-pole connectors                                                                                                 |
| Packaging dimensions HxLxW (mm)     | 145 x 1960 x 200                                                                                                      |
| Gross weight (g)                    | 5780.16                                                                                                               |

#### 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 |  |

### EOS2 1809 XS

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

#### Downloads

- EOS2 1809 XS