

Contact-free safety switches RFID Rectangular 106 mm x 25 mm  
 Individually coded, single teach-in with M12 connector 8-pole order  
 actuator separately 3SE6310-0BC01



|   |                         |
|---|-------------------------|
| Product brand name                          | SIRIUS                  |
| Product designation                         | RFID safety switch      |
| Design of the product                       | Rectangular sensor unit |
| Product type designation                    | 3SE63                   |
| Suitability for use safety-related circuits | Yes                     |

| General technical data  |   |
|---|---|
| <b>Product function</b>   |   |
| <ul style="list-style-type: none"> <li>• positive opening</li> <li>• cross-circuit/short-circuit recognition</li> </ul> | <p>No</p> <p>Yes</p>  |
| <b>Product feature</b>  | individually coded, learnable once, without magnet latching |
| Type of voltage of the operating voltage  | DC  |
| <b>Protection class IP</b>  | IP65, IP67, IP69k   |
| <b>Shock resistance</b>   |   |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>  | Sinusoidal half-wave 30g / 11 ms                            |
| <b>Vibration resistance</b>   |   |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>   | 10 ... 55 Hz: 1 mm  |
| <b>Type of voltage</b>  | DC  |
| <b>Height of the sensor</b>   | 22 mm   |
| <b>Length of the sensor</b>   | 106 mm  |

|  |                             |
|--|-----------------------------|
| <b>Width of the sensor</b>                               | 25 mm                       |
| <b>Material of the active sensor area</b>                | plastic                     |
| <b>Mechanical installation condition for sensor</b>      | flush installation possible |
| Operating voltage rated value                            | 24 V                        |
| <b>Operating current rated value</b>                     | 600 mA                      |
| Design of the interface for safety-related communication | connector M12               |
| <b>Transmission frequency Rated value</b>                | 125 kHz                     |

#### Enclosure

|                                  |         |
|----------------------------------|---------|
| <b>Material of the enclosure</b> | plastic |
| <b>Material of cable sheath</b>  | PVC     |

#### Actuator

|  |      |
|--|------|
| <b>Design of the operating mechanism</b> | RFID |
|--|------|

#### Contact

|  |                    |
|--|--------------------|
| <b>Switching frequency</b>   | 1 Hz               |
| <b>Operating distance</b>  | 12 mm              |
| <b>Safe operating distance OFF</b>   | 16 mm              |
| <b>Safe operating distance ON</b>  | 10 mm              |
| <b>Design of the switching function</b>  | positive switching |
| Number of switching contacts for signaling function <ul style="list-style-type: none"> <li>• safety-related</li> </ul> | 1                  |

#### Connections/ Terminals

|                                      |                  |
|--------------------------------------|------------------|
| <b>Type of electrical connection</b> | M12 plug, 8-pole |
| <b>Wire length maximum</b>           | 30 m             |

#### Safety related data

|  |   |
|--|---|
| Safety Integrity Level (SIL) acc. to IEC 61508 | 3 |
| Performance level (PL) acc. to EN ISO 13849-1  | e |
| <b>Category acc. to EN 954-1</b>               | 4 |

#### Ambient conditions

|   |                |
|---|----------------|
| <b>Ambient temperature</b> <ul style="list-style-type: none"> <li>• during operation</li> </ul> | -25 ... +70 °C |
|---|----------------|

#### Supply voltage

|                       |                 |
|-----------------------|-----------------|
| <b>Supply voltage</b> | 26.4 ... 20.4 V |
|-----------------------|-----------------|

#### Inputs/ Outputs

|  |        |
|--|--------|
| <b>Output current</b>                                  | 0.5 A  |
| <b>Output current at safety-related output maximum</b> | 0.25 A |

#### Display





|                                    |     |
|------------------------------------|-----|
| <b>Evaluation version required</b> | yes |
|------------------------------------|-----|

#### Installation/ mounting/ dimensions

Mounting type

screw fixing

## Certificates/ approvals

| General Product Approval  | EMC   | Functional Safety/Safety of Machinery  | Declaration of Conformity   |
|---|---|--|---|
| <br>UL |  | <br>RCM | <br>EG-Konf. |

[Type Examination Certificate](#)

[Miscellaneous](#)

## other

[Confirmation](#)

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE6315-0BB03>

**Cax online generator**

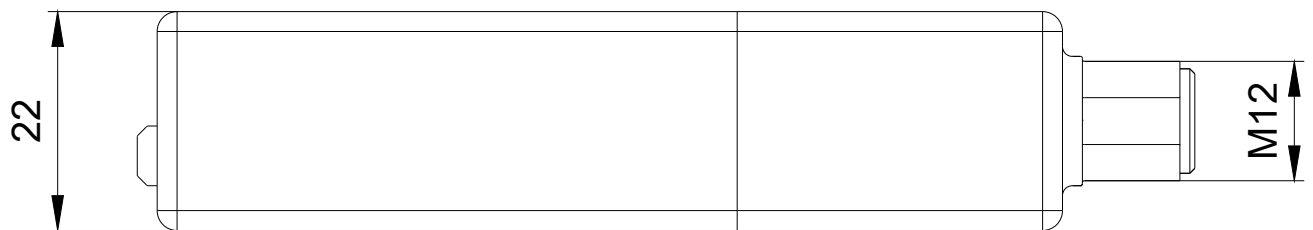
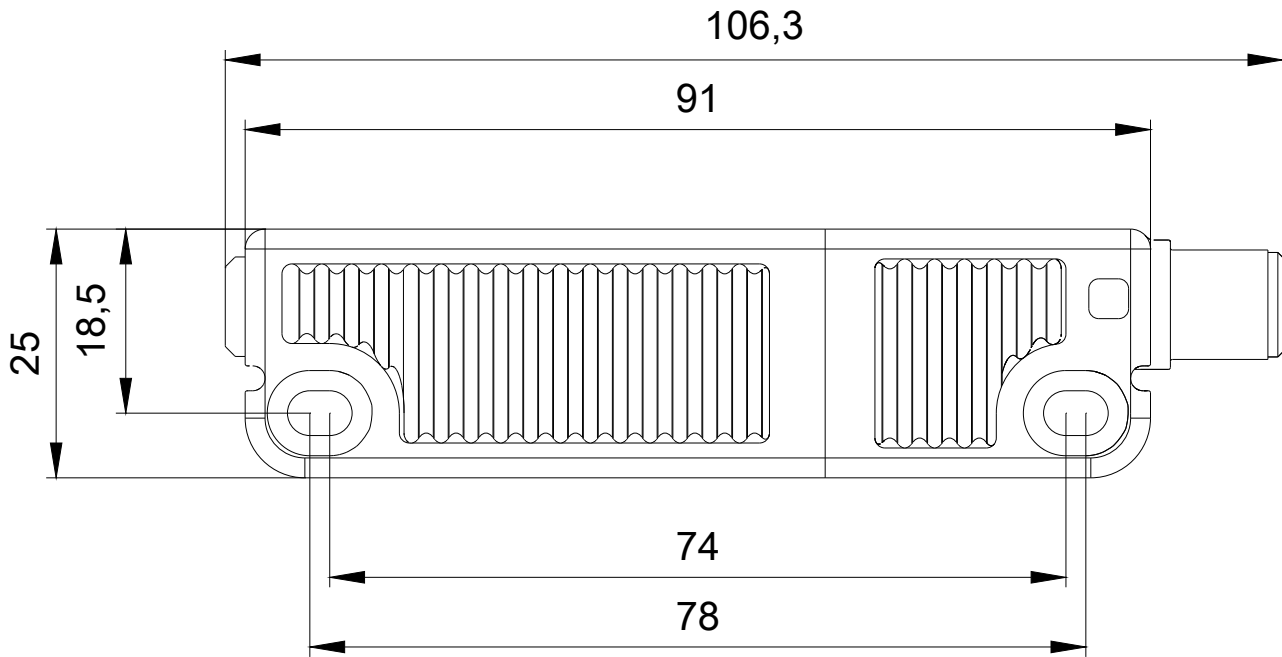
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6315-0BB03>

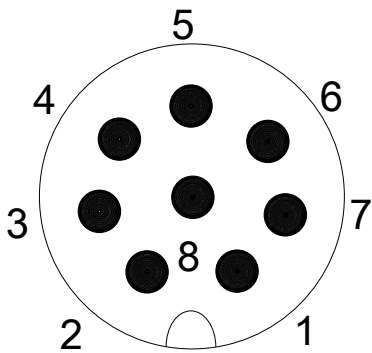
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6315-0BB03>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6315-0BB03&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6315-0BB03&lang=en)





|   |             |   |       |
|---|-------------|---|-------|
| 1 | WH = White  | → | A1    |
| 2 | BN = Brown  | → | X1    |
| 3 | GN = Green  | → | A2    |
| 4 | YE = Yellow | → | OSSD1 |
| 5 | GY = Grey   | → | OUT   |
| 6 | PK = Pink   | → | X2    |
| 7 | BU = Blue   | → | OSSD2 |
| 8 | RD = Red    | → | n. c. |

last modified:

06/08/2020