



Possible alternative: 3SE6315-1BB03-1AP0 as of 10.2022 contact-free safety switch RFID rectangular 106 mm x 25 mm individually coded, single teach-in, with M12 plug 8-pole and magnet latching 18 N. order actuator separately: 3SE6310-1BC01

|                                             |                         |
|---------------------------------------------|-------------------------|
| 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

|                                                                                                                     |                                                          |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| product function                                                                                                    | No                                                       |
| <ul style="list-style-type: none"> <li>positive opening</li> <li>cross-circuit/short-circuit recognition</li> </ul> | Yes                                                      |
| product feature                                                                                                     | individually coded, learnable once, with magnet latching |
| type of voltage of the operating voltage                                                                            | DC                                                       |
| protection class IP                                                                                                 | IP65, IP67, IP69k                                        |
| shock resistance according to IEC 60068-2-27                                                                        | Sinusoidal half-wave 30g / 11 ms                         |
| vibration resistance according to IEC 60068-2-6                                                                     | 10 ... 55 Hz: 1 mm                                       |
| Substance Prohibitance (Date)                                                                                       | 07/01/2006                                               |
| height of the sensor                                                                                                | 22 mm                                                    |
| length of the sensor                                                                                                | 106 mm                                                   |
| width of the sensor                                                                                                 | 25 mm                                                    |
| material of the active sensor area                                                                                  | plastic                                                  |
| mechanical installation condition for sensor                                                                        | flush installation possible                              |

### Ambient conditions

|                                      |                |
|--------------------------------------|----------------|
| ambient temperature during operation | -25 ... +70 °C |
|--------------------------------------|----------------|

### Control circuit/ Control

|                                 |        |
|---------------------------------|--------|
| type of voltage                 | DC     |
| operating voltage rated value   | 24 V   |
| operational current rated value | 600 mA |

### Enclosure

|                           |         |
|---------------------------|---------|
| material of the enclosure | plastic |
| material of cable sheath  | PVC     |

### Actuator

|                                 |      |
|---------------------------------|------|
| design of the actuating element | RFID |
|---------------------------------|------|

### Display

|                          |     |
|--------------------------|-----|
| evaluation unit required | yes |
|--------------------------|-----|

### Contact

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| switching frequency                                 | 1 Hz               |
| operating distance                                  | 12 mm              |
| assured operating distance OFF                      | 16 mm              |
| assured operating distance ON                       | 10 mm              |
| design of the switching function                    | positive switching |
| number of switching contacts for signaling function |                    |

|                                                          |                  |                                       |
|----------------------------------------------------------|------------------|---------------------------------------|
| • safety-related                                         | 1                |                                       |
| Installation/ mounting/ dimensions                       |                  |                                       |
| fastening method                                         | screw fixing     |                                       |
| Connections/ Terminals                                   |                  |                                       |
| type of electrical connection                            | M12 plug, 8-pole |                                       |
| wire length maximum                                      | 30 m             |                                       |
| Supply voltage                                           |                  |                                       |
| supply voltage                                           | 26.4 ... 20.4 V  |                                       |
| Inputs/ Outputs                                          |                  |                                       |
| output current                                           | 0.5 A            |                                       |
| output current at safety-related output maximum          | 0.25 A           |                                       |
| design of the interface for safety-related communication | connector M12    |                                       |
| transmission frequency rated value                       | 125 kHz          |                                       |
| Safety related data                                      |                  |                                       |
| Safety Integrity Level (SIL) according to IEC 61508      | 3                |                                       |
| performance level (PL) according to EN ISO 13849-1       | e                |                                       |
| category according to EN 954-1                           | 4                |                                       |
| Certificates/ approvals                                  |                  |                                       |
| General Product Approval                                 | EMC              | Functional Safety/Safety of Machinery |

[Confirmation](#)



[Type Examination Certificate](#)

|                           |       |                |
|---------------------------|-------|----------------|
| Declaration of Conformity | other | Dangerous Good |
|---------------------------|-------|----------------|



[Confirmation](#)

[Transport Information](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SE6315-1BB03>

Cax online generator

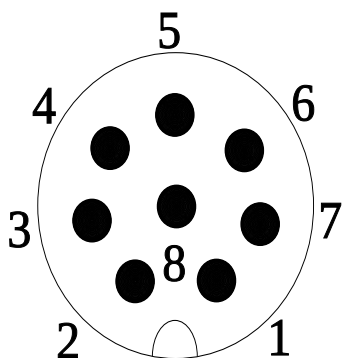
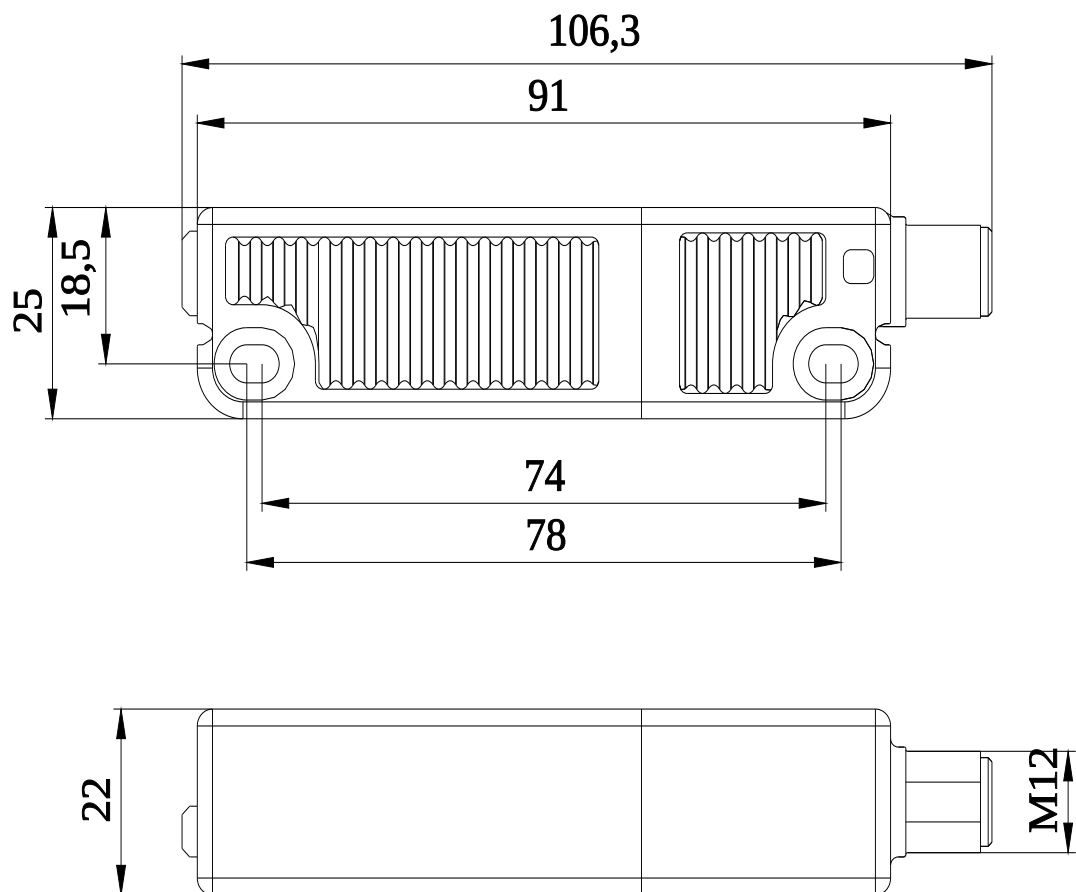
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6315-1BB03>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6315-1BB03>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6315-1BB03&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6315-1BB03&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. |

