



Contact block rectangular small 25 x33 mm., 5 m cable

|                                             |                              |
|---------------------------------------------|------------------------------|
| product brand name                          | SIRIUS                       |
| product designation                         | Magnetically operated switch |
| design of the product                       | Rectangular sensor unit      |
| product type designation                    | 3SE66                        |
| 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                              |
| type of voltage of the operating voltage                                                                            | DC                               |
| protection class IP                                                                                                 | IP67                             |
| 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                                                                                                | 13 mm                            |
| length of the sensor                                                                                                | 33 mm                            |
| width of the sensor                                                                                                 | 25 mm                            |
| material of the active sensor area                                                                                  | plastic                          |
| mechanical installation condition for sensor                                                                        | no 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              | 100 mA |
| operating power rated value                  | 1 W    |
| number of NC contacts for auxiliary contacts | 1      |
| number of NO contacts for auxiliary contacts | 1      |

### Enclosure

|                           |         |
|---------------------------|---------|
| design of the housing     | block   |
| material of the enclosure | plastic |
| material of cable sheath  | PVC     |

### Actuator

|                                 |        |
|---------------------------------|--------|
| design of the actuating element | magnet |
|---------------------------------|--------|

### Display

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

### Contact

|                                |               |
|--------------------------------|---------------|
| circuit principle              | reed switches |
| switching frequency            | 5 Hz          |
| assured operating distance OFF | 14 mm         |

|                                                     |                                       |
|-----------------------------------------------------|---------------------------------------|
| assured operating distance ON                       | 4 mm                                  |
| design of the switching function                    | NC contact and NO contact             |
| <b>Installation/ mounting/ dimensions</b>           |                                       |
| fastening method                                    | screw fixing                          |
| <b>Connections/ Terminals</b>                       |                                       |
| type of electrical connection                       | cable                                 |
| wire length                                         | 5 m                                   |
| <b>Inputs/ Outputs</b>                              |                                       |
| type of switching output                            | Reed contacts                         |
| <b>Safety related data</b>                          |                                       |
| 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                                     |
| <b>Certificates/ approvals</b>                      |                                       |
| General Product Approval                            | EMC                                   |
|                                                     | Functional Safety/Safety of Machinery |

[Confirmation](#)



[Miscellaneous](#)

|                           |       |
|---------------------------|-------|
| Declaration of Conformity | other |
|---------------------------|-------|



[Confirmation](#)

#### 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=3SE6605-3BA05>

##### Cax online generator

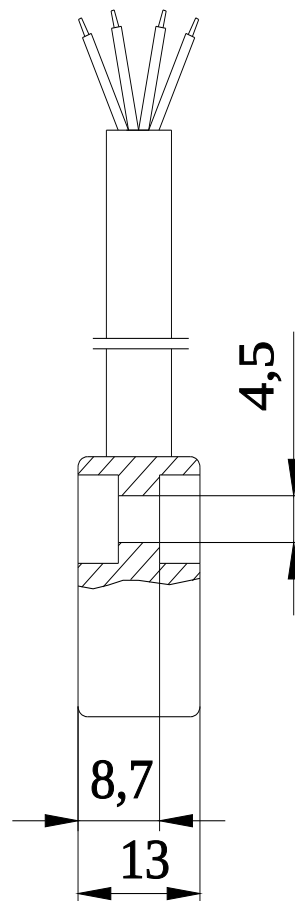
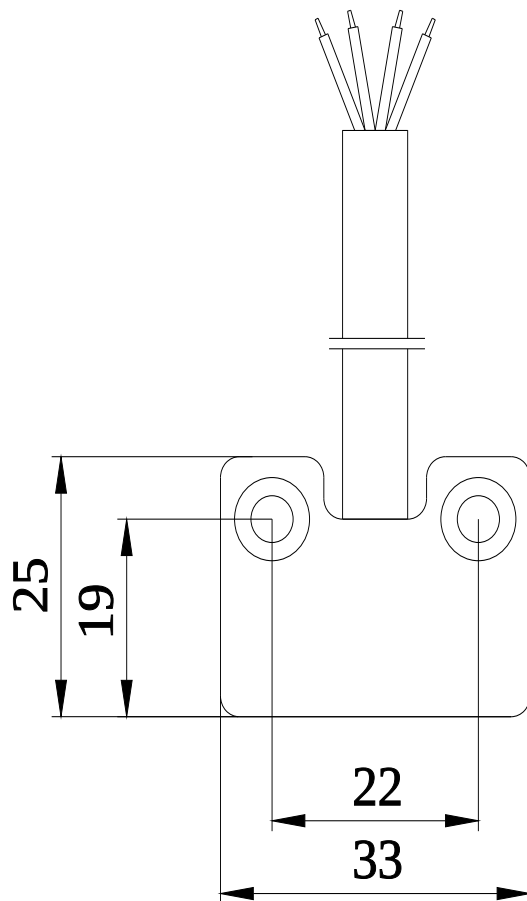
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-3BA05>

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

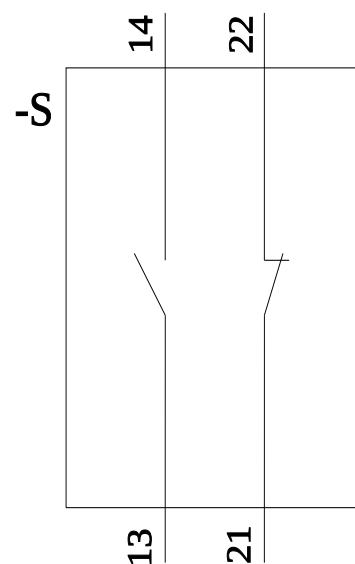
<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-3BA05>

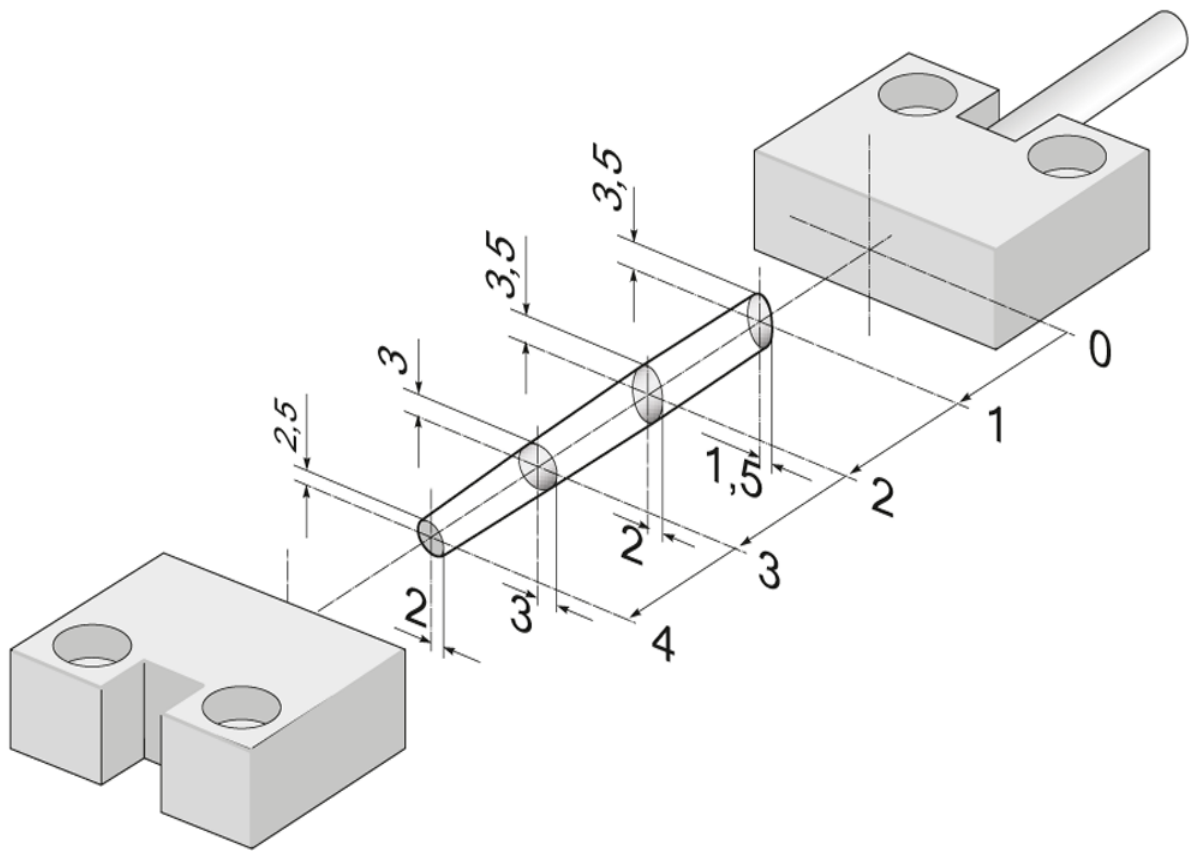
##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6605-3BA05&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-3BA05&lang=en)



|            |   |    |
|------------|---|----|
| BK = Black | → | 13 |
| BU = Blue  | → | 14 |
| WH = White | → | 21 |
| BN = Brown | → | 22 |





$$s_{a0} = 4 \text{ mm}$$

$$s_{ar} = 14 \text{ mm}$$

last modified:

10/6/2021 