



magnetically operated switch contact block contact block, rectangular small 25 x 33 mm, contact elements 1 NO+1 NC, with 3 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                                                        |
| <b>General technical data</b>                |                                                            |
| product function                             |                                                            |
| • positive opening                           | No                                                         |
| • cross-circuit/short-circuit recognition    | 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                           |
| reference code according to IEC 81346-2      | S                                                          |
| Substance Prohibitance (Date)                | 07/01/2006                                                 |
| SVHC substance name                          | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8 |
| 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                                                    |
| <b>Ambient conditions</b>                    |                                                            |
| ambient temperature during operation         | -25 ... +70 °C                                             |
| <b>Control circuit/ Control</b>              |                                                            |
| 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                                                          |
| <b>Enclosure</b>                             |                                                            |
| design of the housing                        | block                                                      |
| material of the enclosure                    | plastic                                                    |
| material of cable sheath                     | PVC                                                        |
| <b>Actuator</b>                              |                                                            |
| design of the actuating element              | magnet                                                     |
| <b>Display</b>                               |                                                            |
| evaluation unit required                     | yes                                                        |
| <b>Contact</b>                               |                                                            |
| 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                                         | 3 m                       |
| <b>Inputs/ Outputs</b>                              |                           |
| type of switching output                            | Reed contacts             |
| <b>Safety related data</b>                          |                           |
| category according to EN 954-1                      | 4                         |
| ISO 13849                                           |                           |
| performance level (PL) according to EN ISO 13849-1  | e                         |
| IEC 61508                                           |                           |
| Safety Integrity Level (SIL) according to IEC 61508 | 3                         |
| <b>Approvals Certificates</b>                       |                           |
| General Product Approval                            | EMV                       |

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|                   |       |
|-------------------|-------|
| Functional Safety | other |
|-------------------|-------|

[Miscellaneous](#)

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#### 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=3SE6605-3BA>

##### Cax online generator

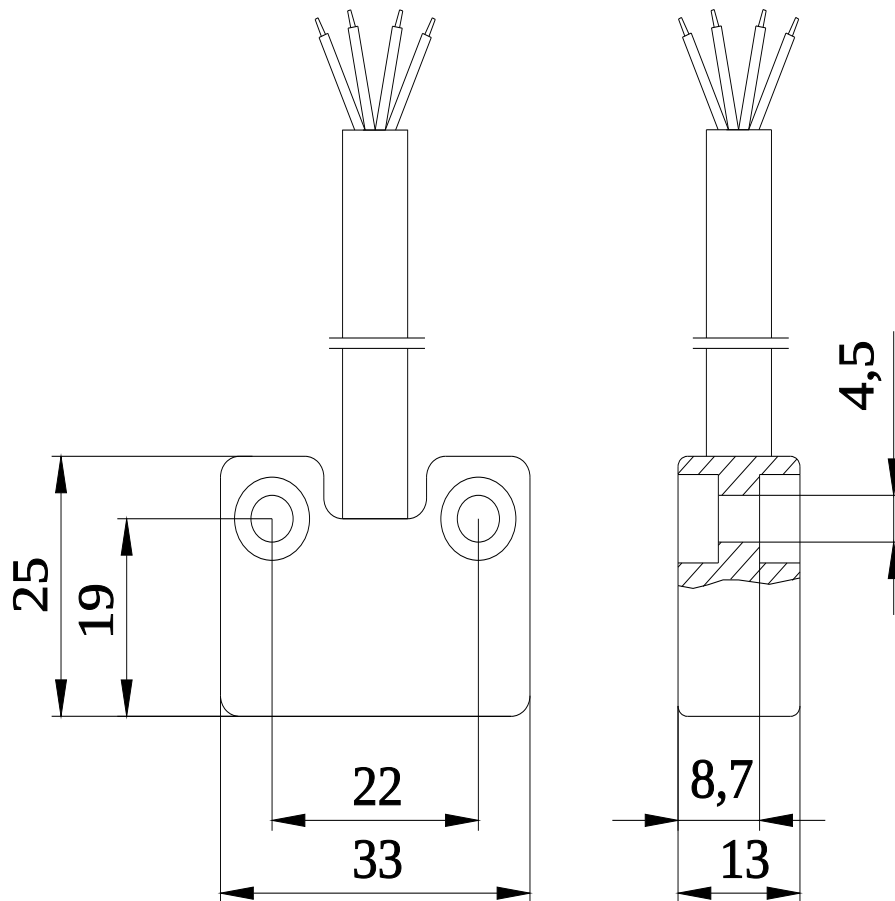
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-3BA>

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

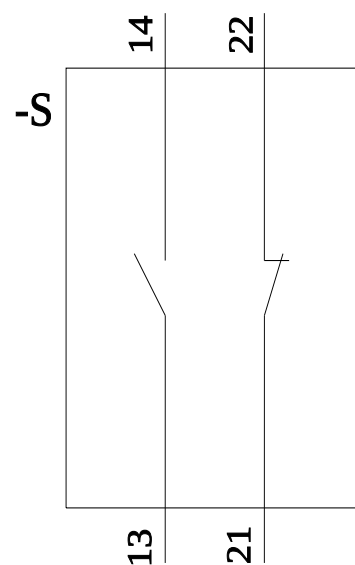
<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-3BA>

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

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



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





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