



Contact module with 1 contact element, 1 NC, soldered connection, for use on printed circuit boards

|  |  |
|--|--|
| product brand name                                 | SIRIUS ACT   |
| product designation                                | Contact module   |
| product type designation                           | 3SU1   |
| <b>Contact block/ lampholder</b>                   |  |
| socket design                                      | other  |
| <b>General technical data</b>                      |  |
| product function positive opening                  | Yes  |
| insulation voltage rated value                     | 250 V  |
| degree of pollution                                | 3  |
| type of voltage                                    |  |
| • of the operating voltage                         | AC/DC  |
| • of the input voltage                             | AC/DC  |
| surge voltage resistance rated value               | 4 kV   |
| protection class IP                                |  |
| • of the enclosure                                 | IP40   |
| • of the terminal                                  | IP00   |
| shock resistance                                   |  |
| • according to IEC 60068-2-27                      | sinusoidal half-wave 15g / 11 ms   |
| • for railway applications according to EN 61373   | Category 1, Class B  |
| vibration resistance                               |  |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g  |
| • for railway applications according to EN 61373   | Category 1, Class B  |
| operating frequency maximum                        | 3 600 1/h  |
| mechanical service life (operating cycles) typical | 10 000 000   |
| electrical endurance (operating cycles) typical    | 10 000 000   |
| thermal current                                    | 10 A   |
| reference code according to IEC 81346-2            | S  |
| continuous current of the C characteristic MCB     | 10 A   |
| Substance Prohibitance (Date)                      | 10/01/2014   |
| operating voltage                                  |  |
| • at AC  |  |
| — at 50 Hz rated value                             | 5 ... 240 V  |
| — at 60 Hz rated value                             | 5 ... 240 V  |
| • at DC rated value                                | 5 ... 250 V  |
| <b>Power Electronics</b>                           |  |
| contact reliability                                | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
| <b>Auxiliary circuit</b>                           |  |
| design of the contact of auxiliary contacts        | Silver alloy   |
| number of NC contacts for auxiliary contacts       | 1  |

|   |       |
|---|-------|
| • lagging switching                                 | 0     |
| <b>number of NO contacts for auxiliary contacts</b> | 0     |
| • leading contact                                   | 0     |
| <b>operational current at AC-12</b>                 |       |
| • at 24 V rated value                               | 10 A  |
| • at 48 V rated value                               | 10 A  |
| • at 110 V rated value                              | 10 A  |
| • at 230 V rated value                              | 10 A  |
| <b>operational current at AC-15</b>                 |       |
| • at 24 V rated value                               | 6 A   |
| • at 48 V rated value                               | 6 A   |
| • at 110 V rated value                              | 6 A   |
| • at 230 V rated value                              | 4 A   |
| <b>operational current at DC-12</b>                 |       |
| • at 24 V rated value                               | 10 A  |
| • at 48 V rated value                               | 5 A   |
| • at 110 V rated value                              | 2.5 A |
| • at 230 V rated value                              | 1 A   |
| <b>operational current at DC-13</b>                 |       |
| • at 24 V rated value                               | 3 A   |
| • at 48 V rated value                               | 1.5 A |
| • at 110 V rated value                              | 0.7 A |
| • at 230 V rated value                              | 0.3 A |

#### Connections/ Terminals

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>type of electrical connection</b> | Socket connection (THT) |
|--------------------------------------|-------------------------|

#### Ambient conditions

|  |   |
|--|---|
| <b>ambient temperature</b>                                     |   |
| • during operation   | -25 ... +70 °C  |
| • during storage   | -40 ... +80 °C  |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted) |

#### Installation/ mounting/ dimensions

|   |  |
|---|--|
| <b>fastening method</b>                               | Printed circuit board  |
| • of modules and accessories                          | Printed circuit board  |
| <b>height</b>   | 18.5 mm  |
| <b>width</b>  | 7.6 mm   |
| <b>depth</b>  | 16.2 mm  |
| <b>suitability for integration</b>                    |  |
| • plastic enclosure                                   | No   |
| • metal enclosure                                     | No   |
| <b>type of soldering method</b>                       | Selective soldering process, manual soldering, laser soldering; No liquid solder must not come into contact with the plastic parts and enclosure parts |
| <b>parameter of the soldering method</b>              | Maximum solder temperature with liquid solder 285 °C for max. 2 seconds per pin  |
| <b>soldering point quality according to IPC A-610</b> | Class 2  |

#### Certificates/ approvals

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>General Product Approval</b> | <b>Declaration of Conformity</b> |
|---------------------------------|----------------------------------|



[Confirmation](#)

[KC](#)



|                          |                          |
|--------------------------|--------------------------|
| <b>Test Certificates</b> | <b>Marine / Shipping</b> |
|--------------------------|--------------------------|

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|              |                    |
|--------------|--------------------|
| <b>other</b> | <b>Environment</b> |
|--------------|--------------------|

**Further information**

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**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=3SU1400-3AA10-5CA0>

**Cax online generator**

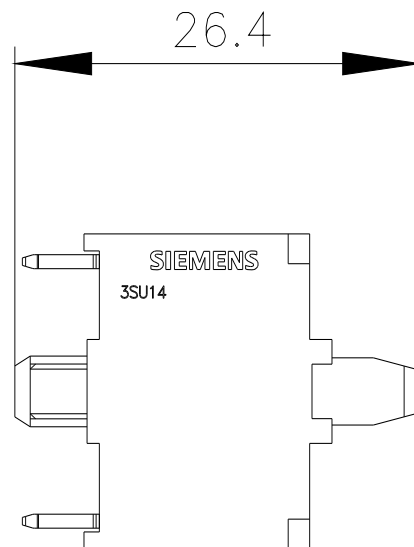
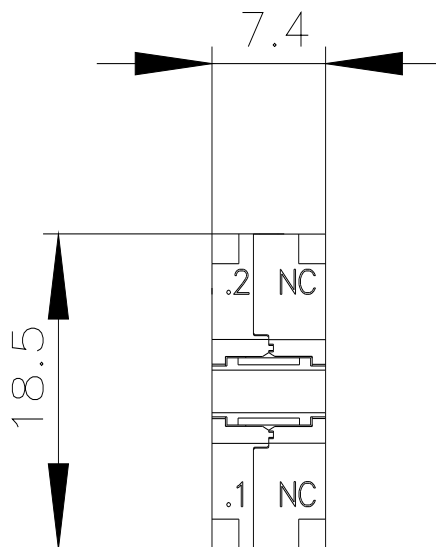
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-3AA10-5CA0>

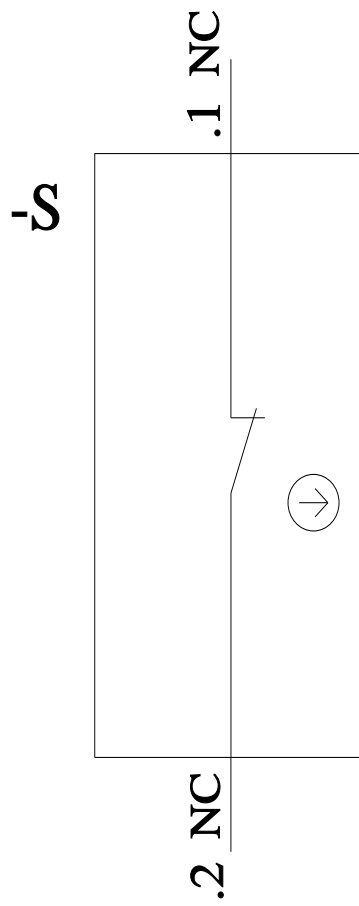
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-3AA10-5CA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-3AA10-5CA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-3AA10-5CA0&lang=en)





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