

CONTACT MODULE WITH 1 CONTACT ELEMENT, 1NC, SPRING-TYPE TERMINAL, FOR BASE MOUNTING



Figure similar

|                                      |                |
|--------------------------------------|----------------|
| Product brand name                   | SIRIUS ACT     |
| Product designation                  | Contact module |
| Product type designation             | 3SU1           |
| General technical data               |                |
| Product function                     |                |
| • positive opening                   | Yes            |
| Insulation voltage                   |                |
| • rated value                        | 500 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 | 6 kV           |
| Protection class IP                  |                |
| • of the enclosure                   | IP40           |
| • of the terminal                    | IP20           |
| Shock resistance                     |                |

|                                                                                                                                     |                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul> | Sinusoidal half-wave 50 g / 11 ms<br>Category 1, Class B |
| <b>Vibration resistance</b>                                                                                                         |                                                          |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>  | 10 ... 500 Hz: 5g<br>Category 1, Class B                 |
| <b>Operating frequency maximum</b>                                                                                                  | 3 600 1/h                                                |
| <b>Mechanical service life (switching cycles)</b>                                                                                   |                                                          |
| <ul style="list-style-type: none"> <li>• typical</li> </ul>                                                                         | 10 000 000                                               |
| <b>Electrical endurance (switching cycles)</b>                                                                                      |                                                          |
| <ul style="list-style-type: none"> <li>• typical</li> </ul>                                                                         | 10 000 000                                               |
| <b>Thermal current</b>                                                                                                              | 10 A                                                     |
| <b>Equipment marking</b>                                                                                                            |                                                          |
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul>                        | S<br>S                                                   |
| <b>Continuous current of the C characteristic MCB</b>                                                                               | 10 A                                                     |

## Main circuit

|                                                                                                                                                                                                                                                       |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Operating voltage</b>                                                                                                                                                                                                                              |                                               |
| <ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul> | 5 ... 500 V<br>5 ... 500 V<br><br>5 ... 500 V |

## Power Electronics

|                            |                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------|
| <b>Contact reliability</b> | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
|----------------------------|--------------------------------------------------------------------------------------------|

## Auxiliary circuit

|                                                                                                                                                                                                        |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>Design of the contact of auxiliary contacts</b>                                                                                                                                                     | Silver alloy                       |
| <b>Number of NC contacts</b>                                                                                                                                                                           |                                    |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— lagging switching</li> </ul>                                                                                                | 1<br>0                             |
| <b>Number of NO contacts</b>                                                                                                                                                                           |                                    |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— leading contact</li> </ul>                                                                                                  | 0<br>0                             |
| <b>Number of CO contacts</b>                                                                                                                                                                           |                                    |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>                                                                                                                             | 0                                  |
| <b>Operating current at AC-12</b>                                                                                                                                                                      |                                    |
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 48 V rated value</li> <li>• at 110 V rated value</li> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> </ul> | 10 A<br>10 A<br>10 A<br>8 A<br>8 A |

|                                   |       |
|-----------------------------------|-------|
| <b>Operating 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            | 6 A   |
| • at 400 V rated value            | 3 A   |
| • at 500 V rated value            | 1.4 A |
| <b>Operating 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   |
| • at 400 V rated value            | 0.3 A |
| • at 500 V rated value            | 0.3 A |
| <b>Operating 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 |
| • at 400 V rated value            | 0.1 A |
| • at 500 V rated value            | 0.1 A |

#### Connections/Terminals

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| <b>Type of electrical connection</b>                | spring-loaded terminals             |
| <b>Type of connectable conductor cross-sections</b> |                                     |
| • solid without core end processing                 | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing          | 2x (0.25 ... 0.75 mm <sup>2</sup> ) |
| • finely stranded without core end processing       | 2x (0.25 ... 1.5 mm <sup>2</sup> )  |
| • at AWG conductors                                 | 2x (24 ... 16)                      |

#### Ambient conditions

|                                                           |                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient temperature</b>                                |                                                                                                                             |
| • during operation                                        | -25 ... +70 °C                                                                                                              |
| • during storage                                          | -40 ... +80 °C                                                                                                              |
| Environmental category during operation acc. 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>Mounting type</b>         |                |
| • of modules and accessories | Floor mounting |
| <b>Height</b>                | 36 mm          |
| <b>Width</b>                 | 9.8 mm         |
| <b>Depth</b>                 | 27.7 mm        |

## Certificates/approvals

### General Product Approval

### Declaration of Conformity



CCC



CSA



UL



VDE



EG-Konf.

### Test Certificates

### other

[Declaration of the  
Compliance with the  
order](#)

[Special Test  
Certificate](#)

[Confirmation](#)

## Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-2AA10-3CA0>

### Cax online generator

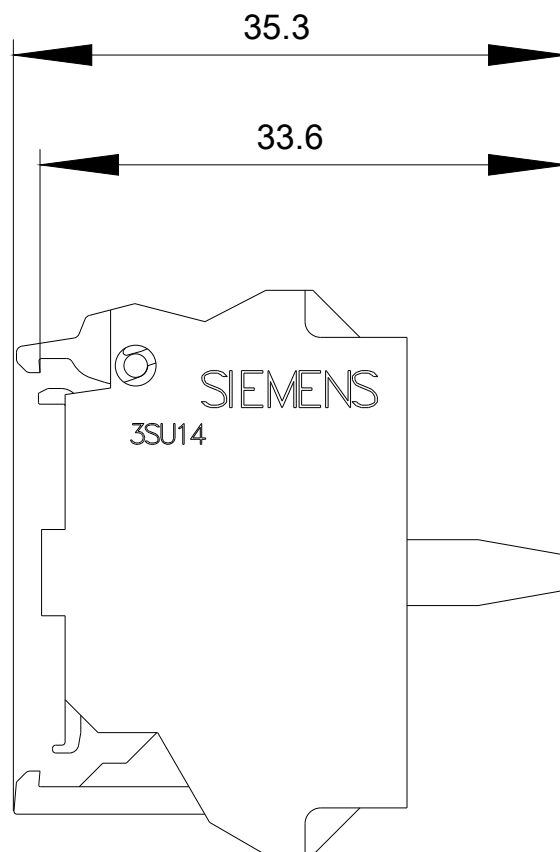
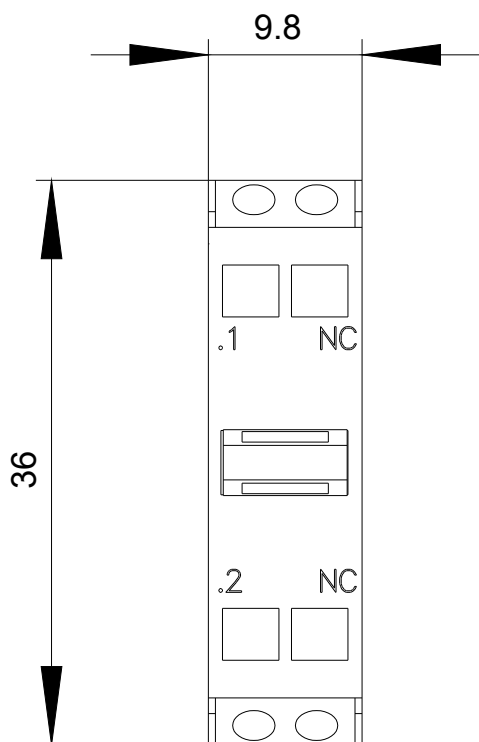
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-3CA0>

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

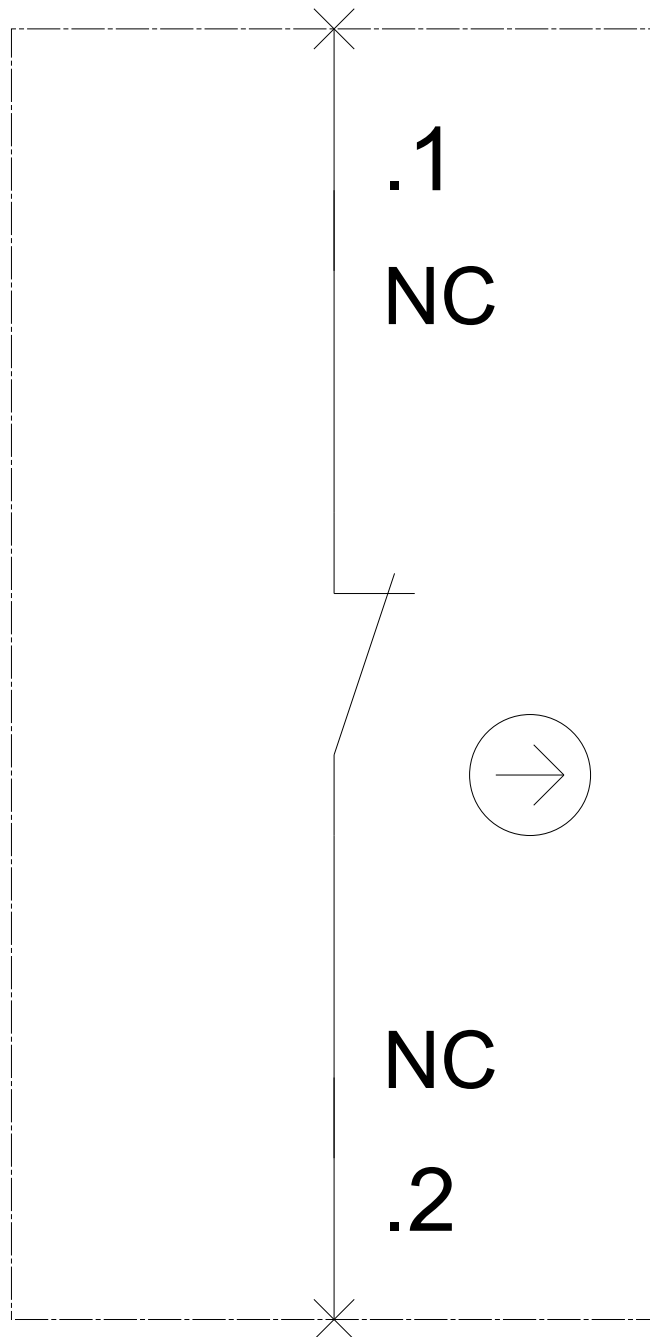
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-3CA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-2AA10-3CA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-3CA0&lang=en)



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**last modified:**

07/10/2017