

CONTACT MODULE WITH 1 CONTACT ELEMENT, 1NO, SCREW  
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                   | No    |
| 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>                                                                                                | 0<br>0                             |
| <b>Number of NO contacts</b>                                                                                                                                                                           |                                    |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> <li>— leading contact</li> </ul>                                                                                                  | 1<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>                | screw-type terminals               |
| <b>Type of connectable conductor cross-sections</b> |                                    |
| • solid with core end processing                    | 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • solid without core end processing                 | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing          | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded without core end processing       | 2x (1,0 ... 1,5 mm <sup>2</sup> )  |
| • at AWG conductors                                 | 2x (18 ... 14)                     |
| <b>Tightening torque</b>                            |                                    |
| • with screw-type terminals                         | 0.8 ... 0.9 N·m                    |

## 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>                | 33.2 mm        |

|       |         |
|-------|---------|
| Width | 9.8 mm  |
| Depth | 27.7 mm |

#### Certificates/approvals

| General Product Approval                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                     | Declaration of Conformity                                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| CCC                                                                               | CSA                                                                               | UL                                                                                | VDE                                                                               |                                                                                     | EG-Konf.                                                                            |

| Test Certificates                                            | other                                    |                              |
|--------------------------------------------------------------|------------------------------------------|------------------------------|
| <a href="#">Declaration of the Compliance with the order</a> | <a href="#">Special Test Certificate</a> | <a href="#">Confirmation</a> |

#### 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=3SU1400-2AA10-1BA0>

##### Cax online generator

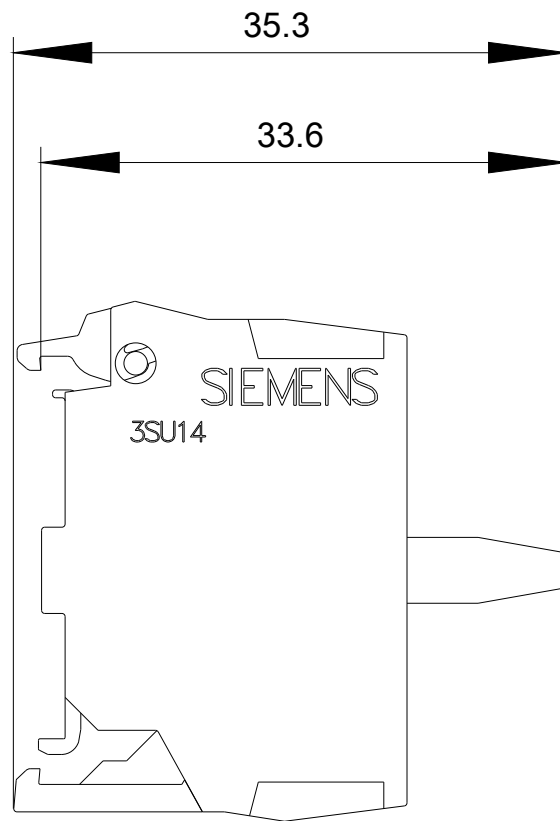
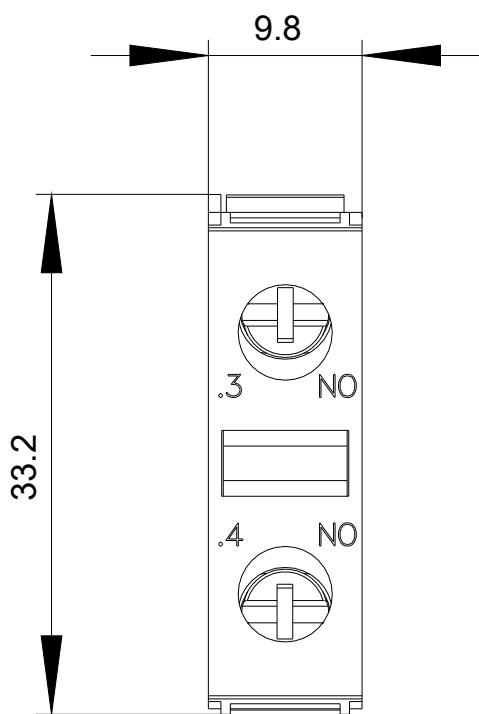
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-1BA0>

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

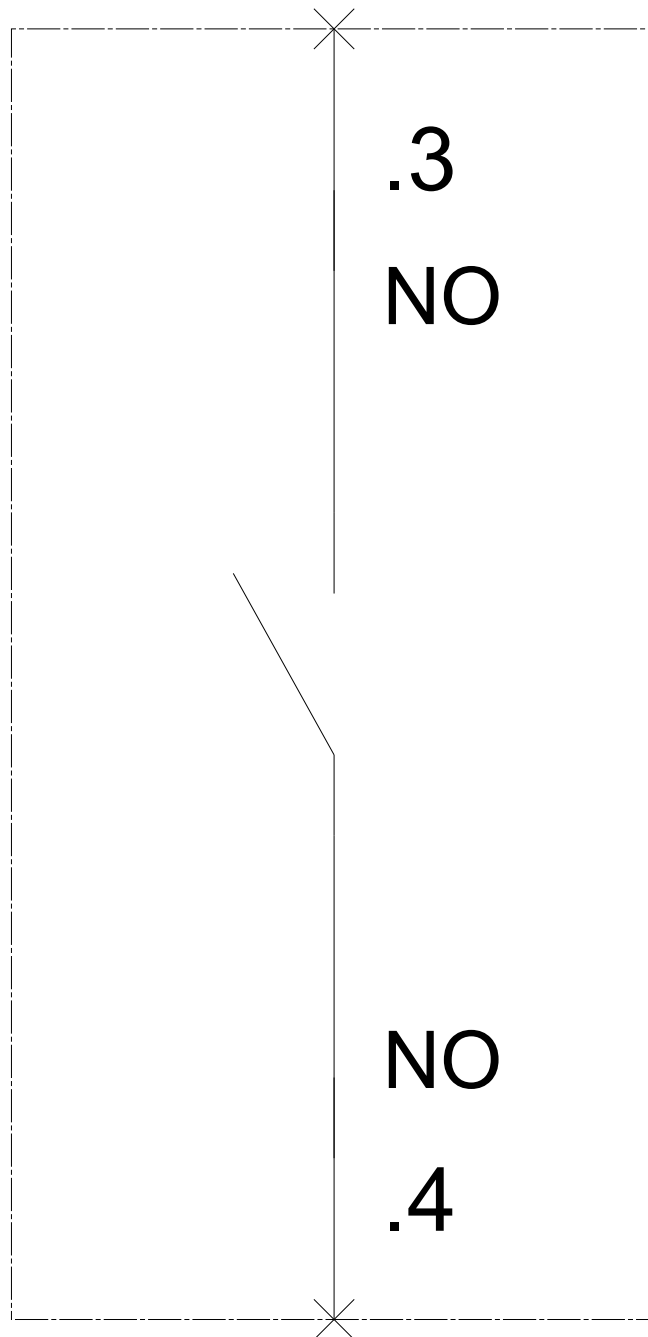
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-1BA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-2AA10-1BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-1BA0&lang=en)



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