

Contact module with 1 contact element, 1 NO, screw-type terminal, for floor mounting, Minimum order quantity 5 or a multiple thereof



|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| 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                                |                                  |
| • acc. to IEC 60068-2-27                        | Sinusoidal half-wave 50g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B              |

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| <b>vibration resistance</b>                           |                     |
| • acc. to IEC 60068-2-6                               | 10 ... 500 Hz: 5g   |
| • for railway applications acc. to DIN EN 61373       | Category 1, Class B |
| <b>operating frequency maximum</b>                    | 3 600 1/h           |
| <b>mechanical service life (switching cycles)</b>     |                     |
| • typical                                             | 10 000 000          |
| <b>electrical endurance (switching cycles)</b>        |                     |
| • typical                                             | 10 000 000          |
| <b>thermal current</b>                                | 10 A                |
| <b>reference code acc. to DIN EN 81346-2</b>          | S                   |
| <b>continuous current of the C characteristic MCB</b> | 10 A                |
| <b>operating voltage</b>                              |                     |
| • at AC                                               |                     |
| — at 50 Hz rated value                                | 5 ... 500 V         |
| — at 60 Hz rated value                                | 5 ... 500 V         |
| • at DC                                               |                     |
| — rated value                                         | 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 for auxiliary contacts</b> | 0            |
| • lagging switching                                 | 0            |
| <b>number of NO contacts for auxiliary contacts</b> | 1            |
| • leading contact                                   | 0            |
| <b>operating 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                              | 8 A          |
| • at 400 V rated value                              | 8 A          |
| • operating current at AC-15 at 24 V rated value    | 6 A          |
| • operating current at AC-15 at 48 V rated value    | 6 A          |
| • operating current at AC-15 at 110 V rated value   | 6 A          |
| • operating current at AC-15 at 230 V rated value   | 6 A          |
| • operating current at AC-15 at 400 V rated value   | 3 A          |
| • operating current at AC-15 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          |

|                                                                                                                                                                                                                                        |                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 110 V rated value</li> <li>• at 230 V rated value</li> <li>• at 400 V rated value</li> <li>• at 500 V rated value</li> </ul>                                                               | 2.5 A<br>1 A<br>0.3 A<br>0.3 A                   |
| <b>operating current at DC-13</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> <li>• at 500 V rated value</li> </ul> | 3 A<br>1.5 A<br>0.7 A<br>0.3 A<br>0.1 A<br>0.1 A |

#### Connections/ Terminals

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>type of electrical connection</b>                                                                                                                                                                                                                                    | screw-type terminals                                                                                                                                                |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                     |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG conductors</li> </ul> | 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1,0 ... 1,5 mm <sup>2</sup> )<br>2x (18 ... 14) |
| <b>tightening torque</b>                                                                                                                                                                                                                                                |                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• with screw-type terminals</li> </ul>                                                                                                                                                                                           | 0.8 ... 0.9 N·m                                                                                                                                                     |

#### Ambient conditions

|                                                           |                                                                                                                             |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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>                                                           | floor mounting |
| <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul> | Floor mounting |
| <b>height</b>                                                                  | 33.2 mm        |
| <b>width</b>                                                                   | 9.8 mm         |
| <b>depth</b>                                                                   | 27.7 mm        |

#### Certificates/ approvals

## General Product Approval



CCC



CSA



UL



VDE

[KC](#)



### Declaration of Conformity



EG-Konf.

[Miscellaneous](#)

### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

### Marine / Shipping



ABS



LRS

### Marine / Shipping



PRS



RINA



RMRS

### other

[Confirmation](#)

## Further information

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

### Cax online generator

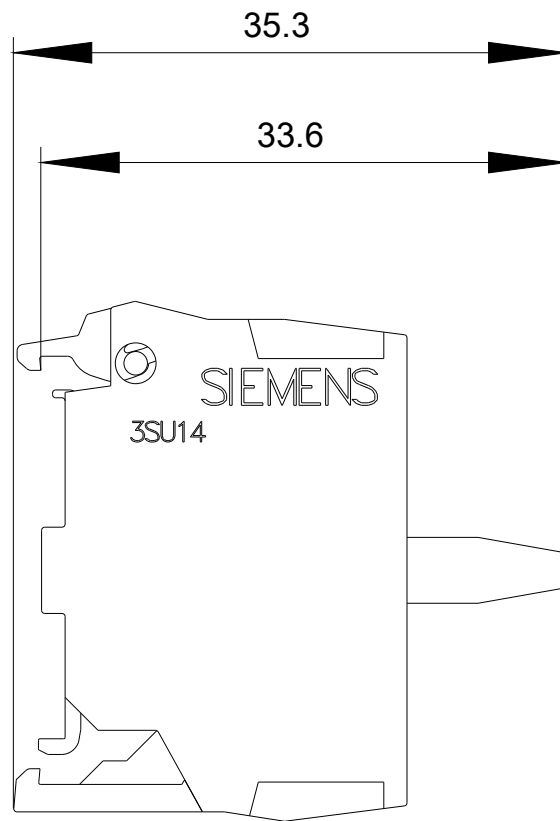
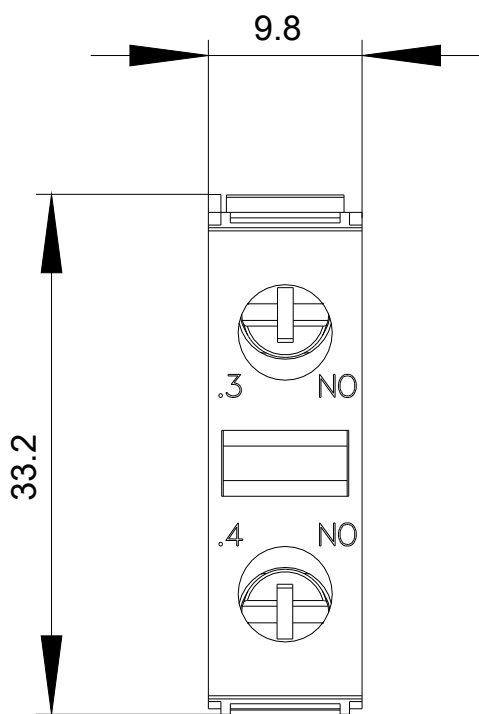
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-1BA0>

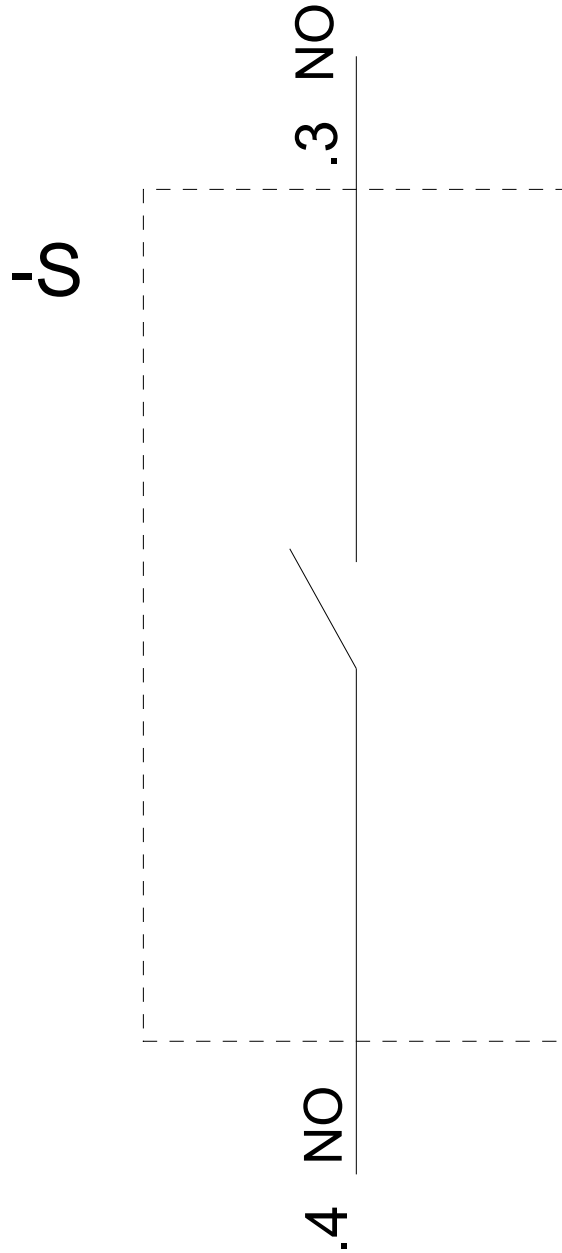
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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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