

Contact module with 1 contact element, 1 NC, Contact for installation monitoring, screw terminal, for front plate mounting



|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| 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                                |                                   |
| • acc. to IEC 60068-2-27                        | Sinusoidal half-wave 50 g / 11 ms |
| • 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>Reference code acc. to DIN EN 61346-2</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> | 1            |
| • lagging switching                                 | 0            |
| <b>Number of NO contacts for auxiliary contacts</b> | 0            |
| • leading contact                                   | 0            |
| <b>Number of CO contacts</b>                        |              |
| • for auxiliary contacts                            | 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                              | 6 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                              | 4 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         |

|                                                                                                                                                                                                                                        |                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <ul style="list-style-type: none"> <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>                                | 5 A<br>2.5 A<br>0.3 A<br>0.3 A<br>0.2 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>0.6 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

|                                                                                                |                                                                                                                             |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Ambient temperature</b>                                                                     |                                                                                                                             |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | -25 ... +70 °C<br>-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

|                                                                                                                                |                                        |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <ul style="list-style-type: none"> <li>• <b>(mounting type)</b></li> <li>• Mounting type of modules and accessories</li> </ul> | front mounting<br>Front plate mounting |
| <b>(height)</b>                                                                                                                | 34 mm                                  |
| <b>Width</b>                                                                                                                   | 9.8 mm                                 |
| <b>Depth</b>                                                                                                                   | 49.7 mm                                |

#### Certificates/approvals

| General Product Approval                                                                 |                                                                                          |                                                                                         |                    | Declaration of Conformity                                                           |                                                                                                 |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>CCC | <br>CSA | <br>UL | <a href="#">KC</a> |  | <br>EG-Konf. |

| Declaration of Conformity     | Test Certificates                                  | Marine / Shipping                                                                        |                                                                                          |                                                                                            |                                                                                             |
|-------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <a href="#">Miscellaneous</a> | <a href="#">Type Test Certificates/Test Report</a> | <br>ABS | <br>LRS | <br>PRS | <br>RINA |

| Marine / Shipping                                                                         | other                                                                                       |                              |  |  |  |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------|--|--|--|
| <br>RMRS | <br>DNV-GL | <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=3SU1400-1AA10-1HA0>

##### Cax online generator

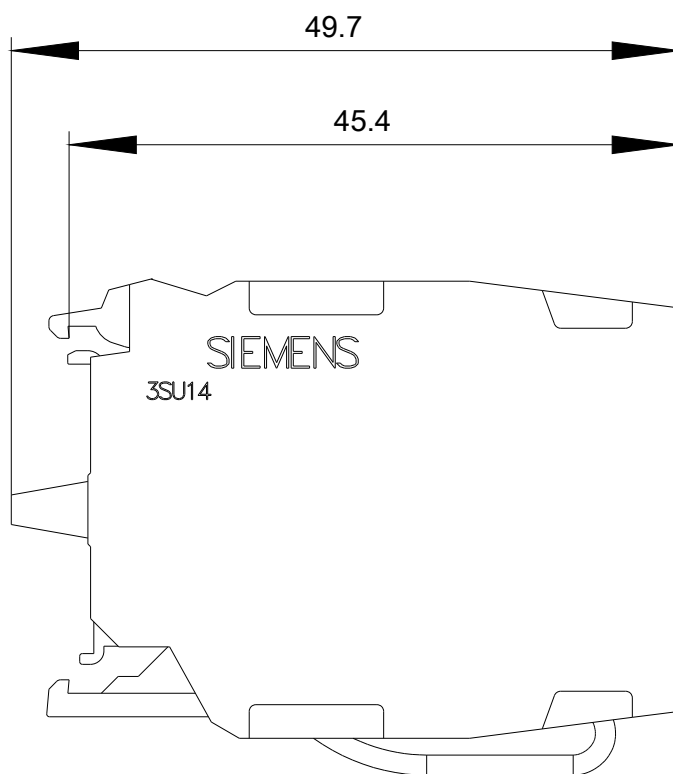
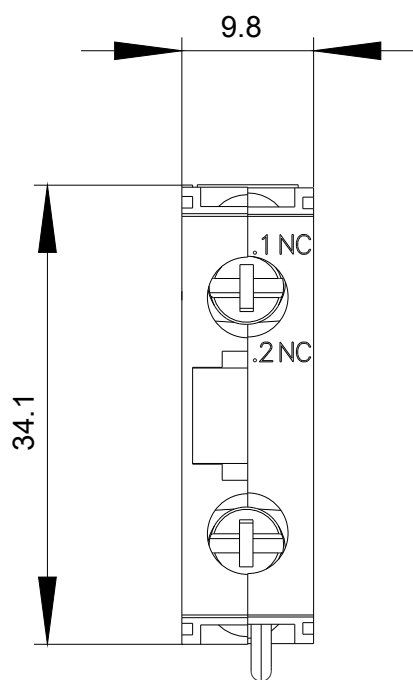
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1HA0>

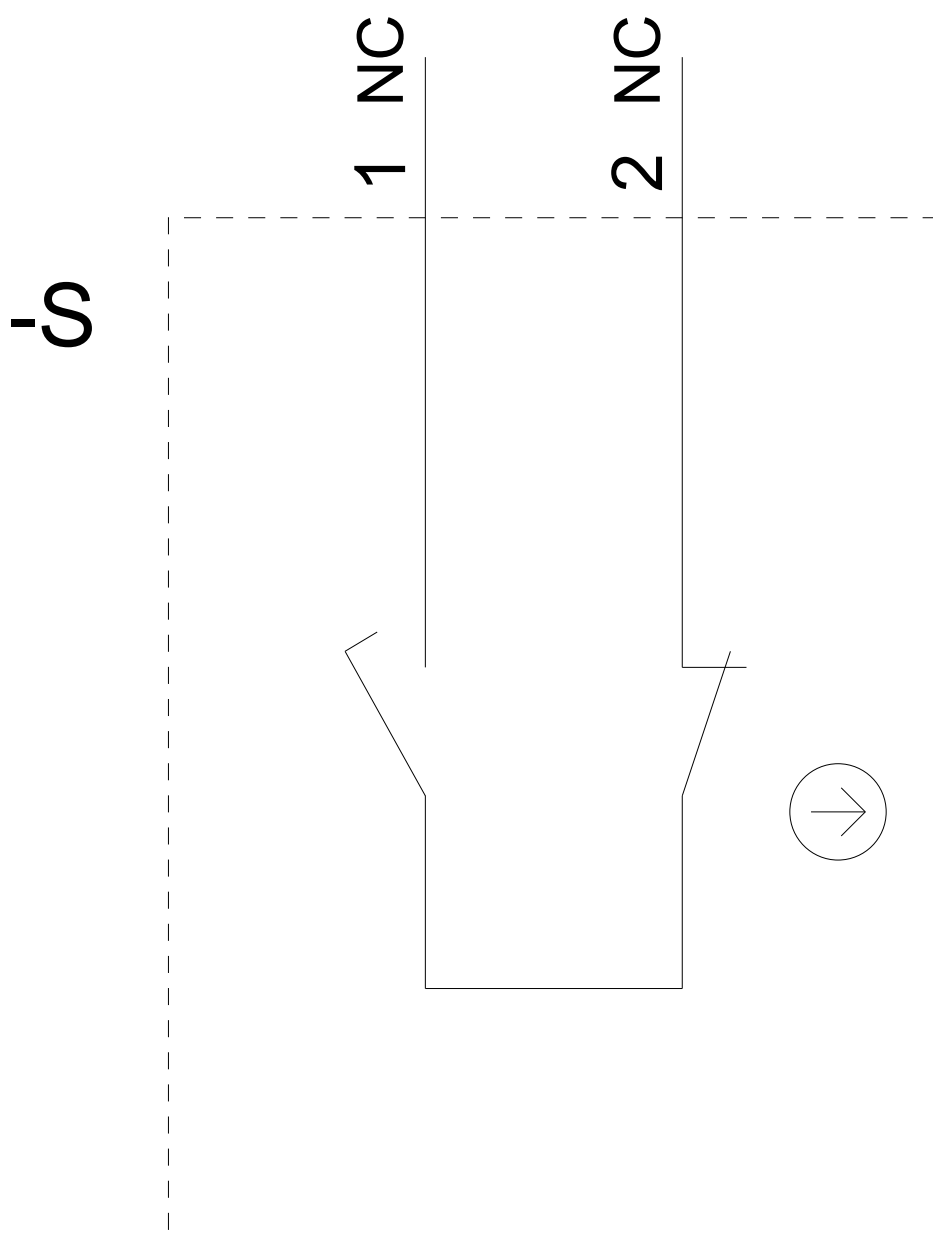
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1HA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-1HA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1HA0&lang=en)





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