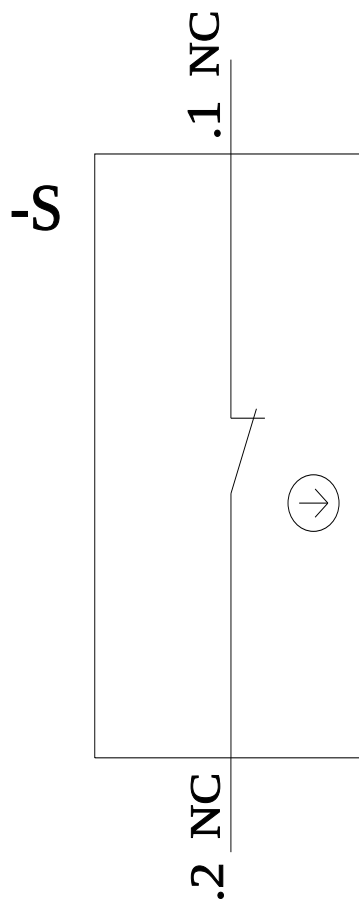


contact module with 1 contact, 1 NC, spring-loaded terminal, for front plate mounting, Z=5-unit packaging

|                                                           |                                                                                            |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>product brand name</b>                                 | SIRIUS ACT                                                                                 |
| <b>product designation</b>                                | Contact module                                                                             |
| <b>product type designation</b>                           | 3SU1                                                                                       |
| <b>Contact block/ lampholder</b>                          |                                                                                            |
| <b>socket design</b>                                      | other                                                                                      |
| <b>General technical data</b>                             |                                                                                            |
| <b>product function positive opening</b>                  | Yes                                                                                        |
| <b>insulation voltage rated value</b>                     | 500 V                                                                                      |
| <b>degree of pollution</b>                                | 3                                                                                          |
| <b>type of voltage</b>                                    |                                                                                            |
| • of the operating voltage                                | AC/DC                                                                                      |
| • of the input voltage                                    | AC/DC                                                                                      |
| <b>surge voltage resistance rated value</b>               | 6 kV                                                                                       |
| <b>protection class IP</b>                                |                                                                                            |
| • of the enclosure                                        | IP40                                                                                       |
| • of the terminal                                         | IP20                                                                                       |
| <b>shock resistance</b>                                   |                                                                                            |
| • according to IEC 60068-2-27                             | sinusoidal half-wave 15g / 11 ms                                                           |
| • for railway applications according to EN 61373          | Category 1, Class B                                                                        |
| <b>vibration resistance</b>                               |                                                                                            |
| • according to IEC 60068-2-6                              | 10 ... 500 Hz: 5g                                                                          |
| • for railway applications according to EN 61373          | Category 1, Class B                                                                        |
| <b>operating frequency maximum</b>                        | 3 600 1/h                                                                                  |
| <b>mechanical service life (switching cycles) typical</b> | 10 000 000                                                                                 |
| <b>electrical endurance (switching cycles) typical</b>    | 10 000 000                                                                                 |
| <b>thermal current</b>                                    | 10 A                                                                                       |
| <b>reference code according to IEC 81346-2</b>            | S                                                                                          |
| <b>continuous current of the C characteristic MCB</b>     | 10 A                                                                                       |
| <b>Substance Prohibitance (Date)</b>                      | 10/01/2014                                                                                 |
| <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                                                                                |
| <b>Power Electronics</b>                                  |                                                                                            |
| <b>contact reliability</b>                                | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
| <b>Auxiliary circuit</b>                                  |                                                                                            |
| <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>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                                    | 8 A                                                                                        |
| • at 400 V rated value                                    | 8 A                                                                                        |
| <b>operational current at AC-15</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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6 A<br>6 A<br>6 A<br>6 A<br>3 A<br>1.4 A                                                                                          |
| <b>operational current at DC-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> <li>• at 500 V rated value</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10 A<br>5 A<br>2.5 A<br>1 A<br>0.3 A<br>0.3 A                                                                                     |
| <b>operational 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                                                                                  |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                   |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | spring-loaded terminals                                                                                                           |
| <b>type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <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 cables</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 0.75 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16) |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |
| <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 according to IEC 60721                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 ... 95%, no condensation in operation permitted)       |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |
| <b>fastening method</b> <ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | front plate mounting<br>Front plate mounting                                                                                      |
| <b>height</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 36 mm                                                                                                                             |
| <b>width</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9.8 mm                                                                                                                            |
| <b>depth</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 27.7 mm                                                                                                                           |
| <b>suitability for integration</b> <ul style="list-style-type: none"> <li>• plastic enclosure</li> <li>• metal enclosure</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes<br>Yes                                                                                                                        |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                   |
| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |
| <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a><br><b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-3CA0-Z X05">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-3CA0-Z X05</a><br><b>Cax online generator</b><br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1400-1AA10-3CA0-Z X05">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1400-1AA10-3CA0-Z X05</a><br><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3CA0-Z X05">https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3CA0-Z X05</a><br><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3CA0-Z X05&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3CA0-Z X05&amp;lang=en</a> |                                                                                                                                   |



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