



Contact module with 1 contact element, 1 NC, gold-plated contacts, spring-type terminal, for front plate mounting

|                                                       |                                                                                            |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <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>                         |                                                                                            |
| product function positive opening                     | Yes                                                                                        |
| insulation voltage rated value                        | 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                                                                                       |
| protection class IP                                   |                                                                                            |
| • 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                                                                                  |
| mechanical service life (switching cycles) typical    | 10 000 000                                                                                 |
| electrical endurance (switching cycles) typical       | 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>    | Gold-plated                                                                                |

|                                                                |                                                                                                                             |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <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>                            |                                                                                                                             |
| • 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>operational 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>operational 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                                                                                                                       |
| <b>Connections/ Terminals</b>                                  |                                                                                                                             |
| <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 cables                                                | 2x (24 ... 16)                                                                                                              |
| <b>Ambient conditions</b>                                      |                                                                                                                             |
| <b>ambient temperature</b>                                     |                                                                                                                             |
| • during operation                                             | -25 ... +70 °C                                                                                                              |
| • during storage                                               | -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>                                        | front plate mounting                                                                                                        |
| • of modules and accessories                                   | 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>                             |                                                                                                                             |
| • plastic enclosure                                            | Yes                                                                                                                         |
| • metal enclosure                                              | Yes                                                                                                                         |
| <b>Certificates/ approvals</b>                                 |                                                                                                                             |
| <b>General Product Approval</b>                                |                                                                                                                             |



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ABS



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### 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=3SU1400-1AA10-3MA0>

Cax online generator

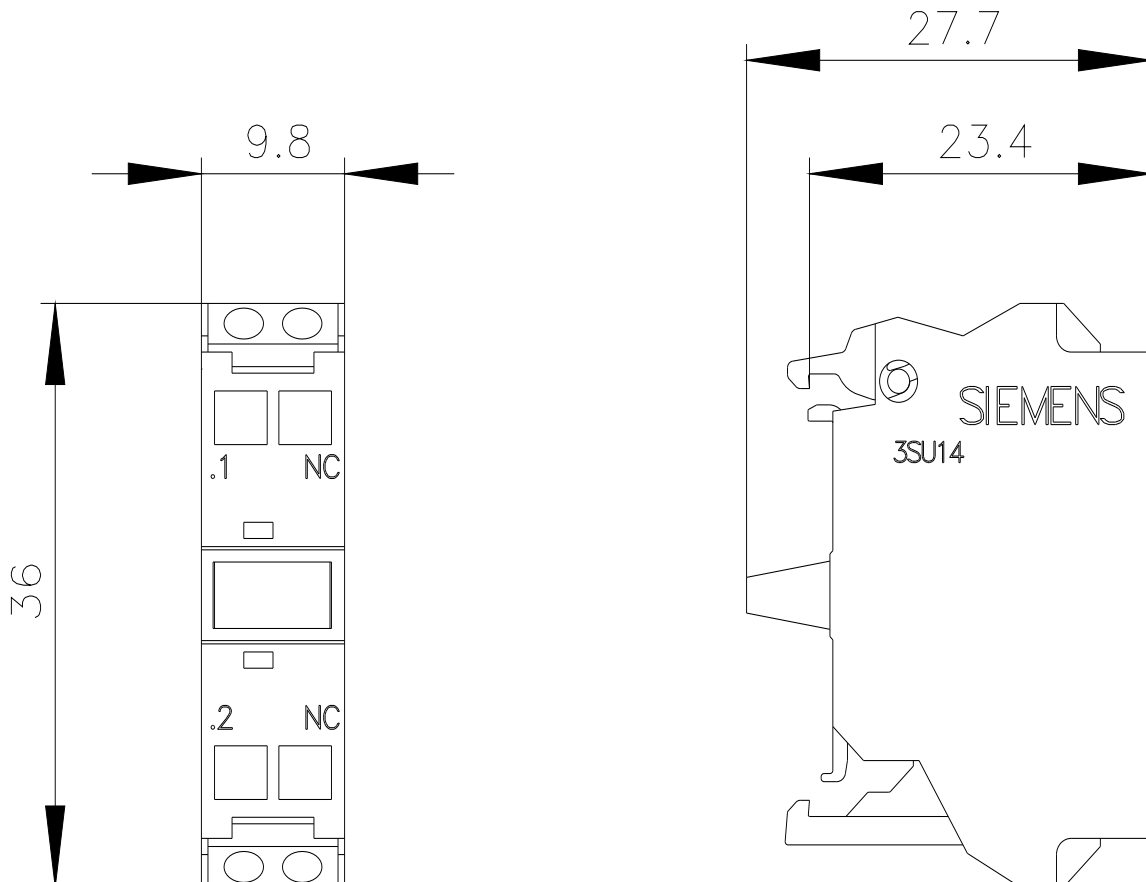
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3MA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3MA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-3MA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3MA0&lang=en)



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