



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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PRS



RINA



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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

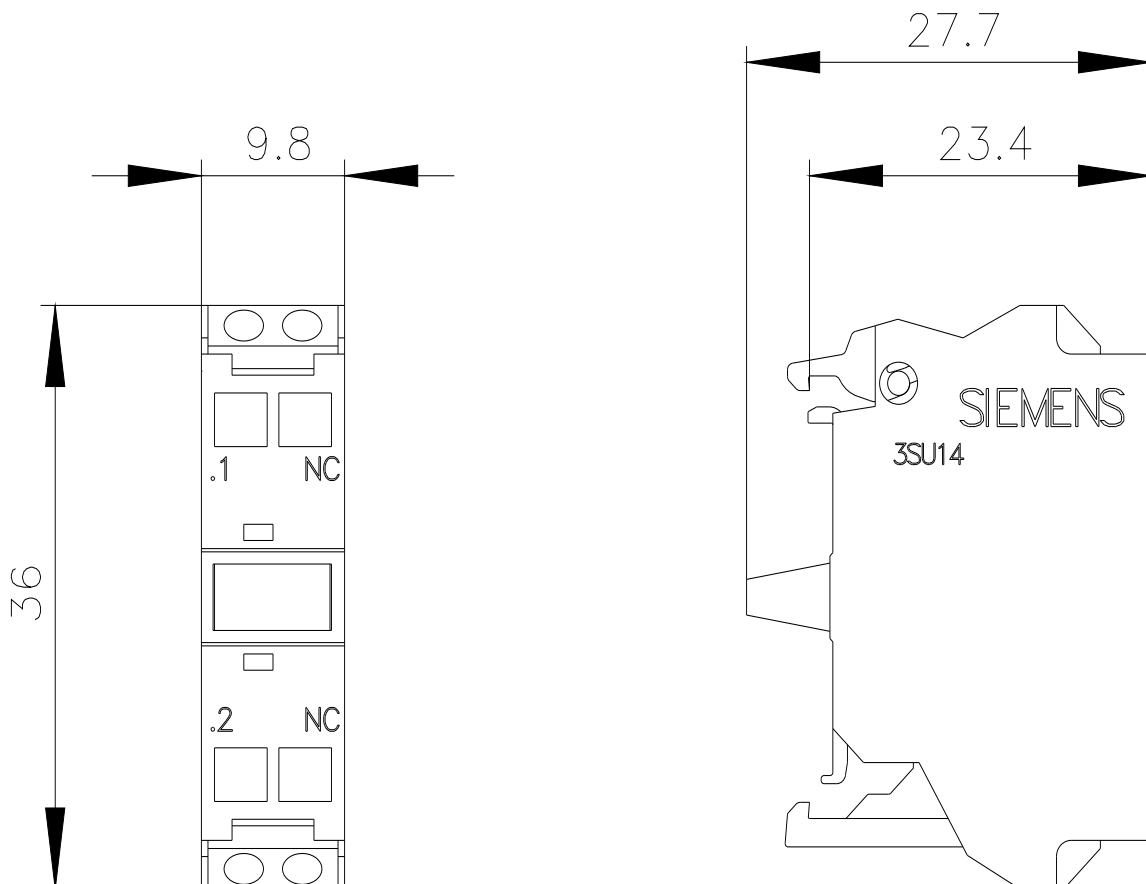
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3MA0>

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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