

Siemens  
EcoTech



Contact module with 1 contact element, 1 NC, spring-type terminal, for front plate mounting, Minimum order quantity 5 or a multiple thereof



|  |                                  |
|--|----------------------------------|
| product brand name                                 | SIRIUS ACT                       |
| product designation                                | Contact module                   |
| product type designation                           | 3SU1                             |
| <b>Contact block/ lampholder</b>                   |                                  |
| socket design                                      | other                            |
| <b>General technical data</b>                      |                                  |
| 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                                   |                                  |
| • according to IEC 60068-2-27                      | sinusoidal half-wave 15g / 11 ms |
| • for railway applications according to EN 61373   | Category 1, Class B              |
| vibration resistance                               |                                  |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                |
| • for railway applications according to EN 61373   | Category 1, Class B              |
| operating frequency maximum                        | 3 600 1/h                        |
| mechanical service life (operating cycles) typical | 10 000 000                       |
| electrical endurance (operating cycles) typical    | 10 000 000                       |
| thermal current                                    | 10 A                             |
| reference code according to IEC 81346-2            | S                                |
| continuous current of the C characteristic MCB     | 10 A                             |
| Substance Prohibitance (Date)                      | 10/01/2014                       |
| Net Weight   | 8 g                              |
| operating voltage                                  |                                  |
| • 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)                                  |
| <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>                            |   |
| • 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> )  |
| • for 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>Environmental footprint</b>                                 |   |
| Environmental Product Declaration (EPD)                        | Yes   |
| global warming potential [CO2 eq] total                        | 0.787 kg  |
| global warming potential [CO2 eq] during manufacturing         | 0.566 kg  |
| global warming potential [CO2 eq] during operation             | 0.235 kg  |
| global warming potential [CO2 eq] after end of life            | -0.015 kg   |
| Siemens Eco Profile (SEP)                                      | Siemens EcoTech   |
| <b>Installation/ mounting/ dimensions</b>                      |   |
| <b>fastening method</b>  | front plate mounting  |
| • of modules and accessories                                   | Front plate mounting  |
| <b>height</b>  | 36 mm   |

|                             |         |
|-----------------------------|---------|
| width                       | 9.8 mm  |
| depth                       | 27.7 mm |
| suitability for integration |         |
| • plastic enclosure         | Yes     |
| • metal enclosure           | Yes     |

**Approvals Certificates**

**General Product Approval**



[KC](#)

|                          |                   |                      |
|--------------------------|-------------------|----------------------|
| General Product Approval | Test Certificates | Maritime application |
|--------------------------|-------------------|----------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|



[Confirmation](#)



Siemens EcoTech



[Environmental Confirmations](#)

**Further information**

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1400-1AA10-3CA0>

Cax online generator

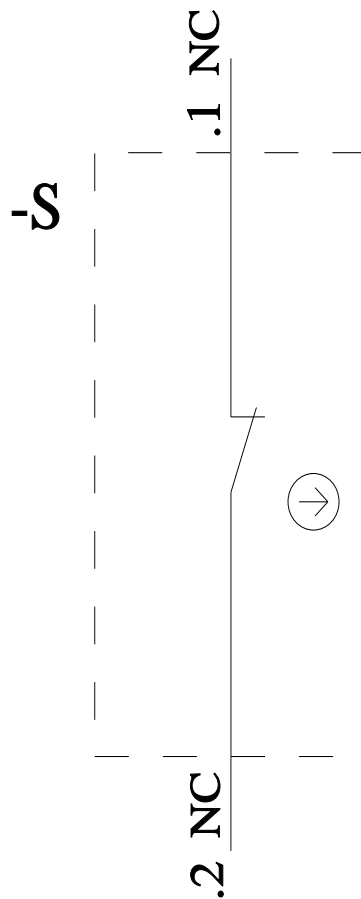
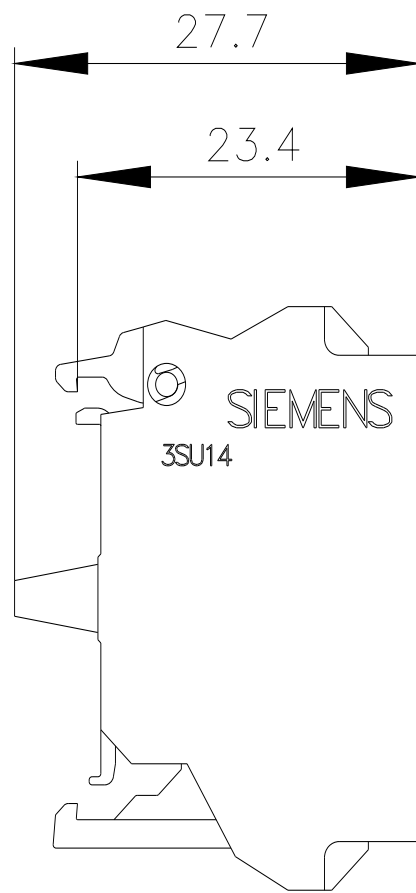
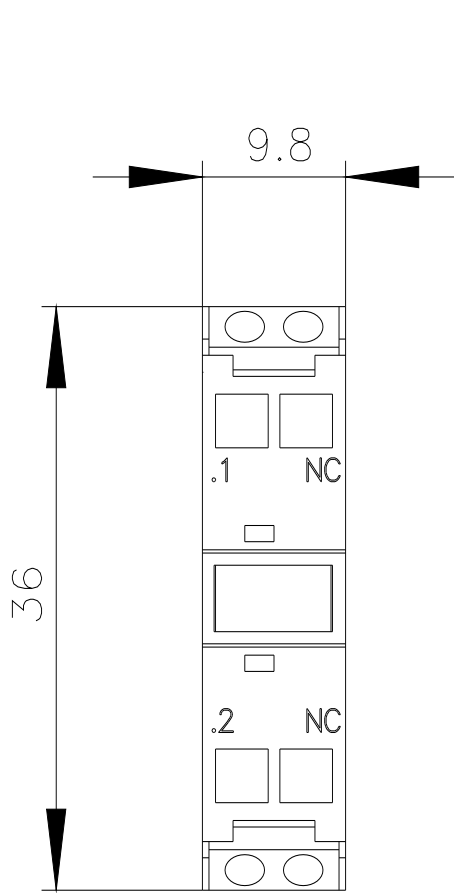
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3CA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3CA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-3CA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3CA0&lang=en)





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