

Siemens  
EcoTech



Contact module with 2 contact elements, 2 NC, spring-type terminal, for front plate mounting



|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| product brand name                                 | SIRIUS ACT                       |
| product designation                                | Contact module                   |
| product type designation                           | 3SU1                             |
| Contact block/ lampholder                          |                                  |
| socket design                                      | other                            |
| 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                                   |                                  |
| • 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                       |
| Weight                                             | 17 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>                | 2                                                                                                                           |
| • 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 [CO <sub>2</sub> eq] total                | 0.787 kg                                                                                                                    |
| global warming potential [CO <sub>2</sub> eq] during manufacturing | 0.566 kg                                                                                                                    |
| global warming potential [CO <sub>2</sub> eq] during operation     | 0.235 kg                                                                                                                    |
| global warming potential [CO <sub>2</sub> 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                       | 49.7 mm |
| suitability for integration |         |
| • plastic enclosure         | No      |
| • metal enclosure           | No      |

#### Approvals Certificates

##### General Product Approval



[KC](#)

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



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[Confirmation](#)



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[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=3SU1400-1AA10-3EA0>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3EA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3EA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-3EA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-3EA0&lang=en)



