

## Data sheet

## 3SU1400-1AA10-1HA0-Z X90

Siemens  
EcoTech



Contact module with 1 contact element, 1 NC, Contact for installation monitoring, screw terminal, for front plate mounting, Z=150-unit packaging



|  |  |
|--|--|
| 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, clamping screw tightened   |
| 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   | 17.5 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  |
| <b>Power Electronics</b>                           |  |
| contact reliability                                | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million |

(5 V, 1 mA)

| Auxiliary circuit  |   |
|--|---|
| design of the contact of auxiliary contacts                        | Silver alloy  |
| number of NC contacts for auxiliary contacts                       | 1   |
| • lagging switching  | 0   |
| number of NO contacts for auxiliary contacts                       | 1   |
| • leading contact  | 0   |
| operational current at AC-12                                       |   |
| • 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   | 6 A   |
| operational current at AC-15                                       |   |
| • 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   | 4 A   |
| • at 400 V rated value   | 3 A   |
| • at 500 V rated value   | 1.4 A   |
| operational current at DC-12                                       |   |
| • 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   | 0.3 A   |
| • at 400 V rated value   | 0.3 A   |
| • at 500 V rated value   | 0.2 A   |
| operational current at DC-13                                       |   |
| • at 24 V rated value  | 3 A   |
| • at 48 V rated value  | 1.5 A   |
| • at 110 V rated value   | 0.6 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   |
| Connections/ Terminals   |   |
| type of electrical connection                                      | screw terminal  |
| type of connectable conductor cross-sections                       |   |
| • solid with core end processing                                   | 2x (0.5 ... 0.75 mm <sup>2</sup> )  |
| • solid without core end processing                                | 2x (1.0 ... 1.5 mm <sup>2</sup> )   |
| • finely stranded with core end processing                         | 2x (0.5 ... 1.5 mm <sup>2</sup> )   |
| • finely stranded without core end processing                      | 2x (1.0 ... 1.5 mm <sup>2</sup> )   |
| • for AWG cables   | 2x (18 ... 14)  |
| tightening torque with screw-type terminals                        | 0.8 ... 0.9 N·m   |
| Ambient conditions   |   |
| ambient temperature  |   |
| • 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) |
| Environmental footprint  |   |
| 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   |
| Installation/ mounting/ dimensions                                 |   |
| fastening method   | front plate mounting  |
| • of modules and accessories                                       | Front plate mounting  |
| height   | 34 mm   |
| width  | 9.8 mm  |

|                             |         |
|-----------------------------|---------|
| depth                       | 49.7 mm |
| suitability for integration |         |
| • plastic enclosure         | Yes     |
| • metal enclosure           | Yes     |

#### Approvals Certificates

##### General Product Approval

##### Test Certificates



[Type Test Certificates/Test Report](#)

|                   |                      |       |             |
|-------------------|----------------------|-------|-------------|
| Test Certificates | Maritime application | other | Environment |
|-------------------|----------------------|-------|-------------|

##### [Special Test Certificate](#)



##### [Confirmation](#)



#### Environment



##### [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=3SU1400-1AA10-1HA0-Z X90>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1HA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1HA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1400-1AA10-1HA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1HA0-Z X90&lang=en)



