SIEMENS

## Data sheet 3SU1400-1AA10-1FA0

Siemens EcoTech

Contact module with 2 contact elements, 1 NO+1 NC, screw 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, clamping screw tightened |
| **shock resistance** | |
| ● **according to IEC 60068-2-27** | sinusoidal half-wave 15 g / 11 ms |
| ● for railway applications according to EN 61373 | Category 1, Class B |
| **vibration resistance** | |
| ● **according to IEC 60068-2-6** | 10 ... 500 Hz: 5 g |
| ● 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 (day/month/year)** | 10/01/2014 |
| **Net 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 |
| **Power Electronics** | |


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| | |
|---|---|
| **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 | 8 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 | 6 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 | 1 A |
| ● at 400 V rated value | 0.3 A |
| ● at 500 V rated value | 0.3 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 | 0.7 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 |
| **Connections/ Terminals** | |
| **type of electrical connection** | screw terminal |
| **type of connectable conductor cross-sections** | |
| ● solid with core end processing | 2x (0.5 ... 0.75 mm²) |
| ● solid without core end processing | 2x (1.0 ... 1.5 mm²) |
| ● finely stranded with core end processing | 2x (0.5 ... 1.5 mm²) |
| ● finely stranded without core end processing | 2x (1,0 ... 1,5 mm²) |
| ● 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) |
| **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 | No |
| ● metal enclosure | No |


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| Environmental footprint | |
|---|---|
| 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 |

| Approvals Certificates | |
|---|---|
| Environmental Product Declaration | |
| • 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 | -0.0145 kg |
| • global warming potential [CO2 eq] / total | 0.787 kg |

**Environment**

Environmental Confirmations

**General Product Approval**

**General Product Approval**

**Test Certificates**

Special Test Certificate

Type Test Certificates/Test Report

**Maritime application**

**Maritime application**

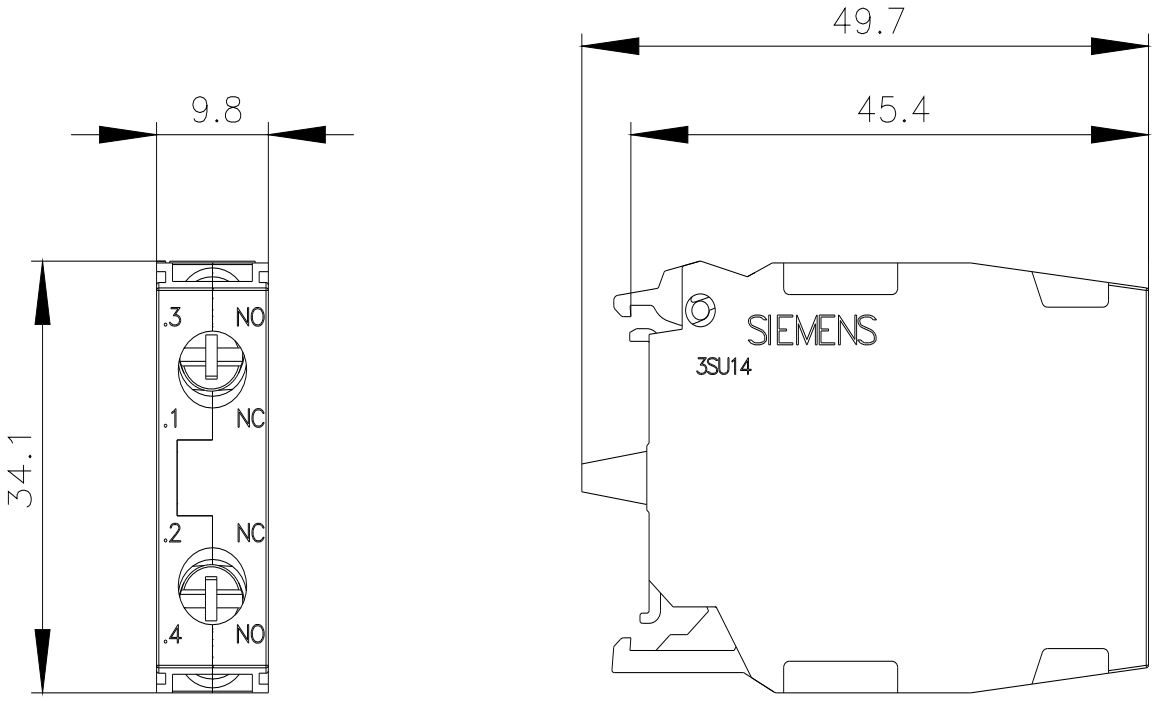
**other**

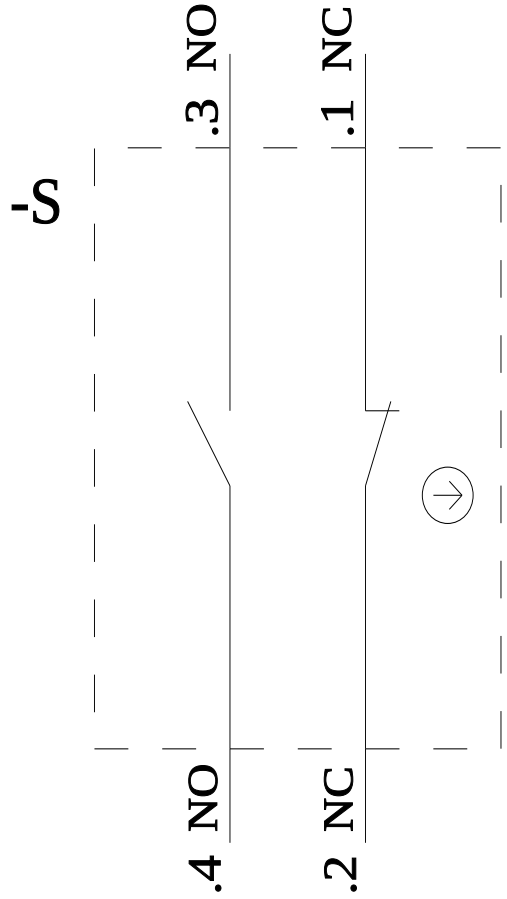
Confirmation

## 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=3SU1400-1AA10-1FA0
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1FA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1FA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1AA10-1FA0&lang=en


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