## 3SU1400-1AA10-1MA0

**Data sheet** 



Contact module with 1 contact element, 1 NC, gold-plated contacts, 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  |   |
| <ul> <li>of the operating voltage</li> </ul>                       | AC/DC   |
| <ul> <li>of the input voltage</li> </ul>                           | AC/DC   |
| surge voltage resistance rated value                               | 6 kV  |
| protection class IP  |   |
| <ul> <li>of the enclosure</li> </ul>                               | IP40  |
| of the terminal  | IP20  |
| shock resistance   |   |
| <ul> <li>according to IEC 60068-2-27</li> </ul>                    | sinusoidal half-wave 15g / 11 ms  |
| <ul> <li>for railway applications according to EN 61373</li> </ul> | Category 1, Class B   |
| vibration resistance   |   |
| • according to IEC 60068-2-6                                       | 10 500 Hz: 5g   |
| <ul> <li>for railway applications according to EN 61373</li> </ul> | 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  |
| 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   |
| ower Electronics   |   |
| contact reliability  | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 millio (5 V, 1 mA) |
| Auxiliary circuit  |   |
| design of the contact of auxiliary contacts                        | Gold-plated   |
| number of NC contacts for auxiliary contacts                       | 1   |
|  |   |

| <ul> <li>lagging switching</li> </ul>  | 0   |
|--|---|
| number of NO contacts for auxiliary contacts   | 0   |
| 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   | 1A  |
| 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-type terminals  |
| 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 operation   | -25 +70 °C<br>-40 +80 °C  |
| -  | -40 +80 °C<br>3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10  |
| <ul><li>during operation</li><li>during storage</li></ul>  | -40 +80 °C  |
| during operation     during storage environmental category during operation according to IEC   | -40 +80 °C<br>3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10  |
| during operation     during storage environmental category during operation according to IEC 60721   | -40 +80 °C<br>3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10  |
| during operation     during storage environmental category during operation according to IEC 60721 Environmental footprint   | -40 +80 °C<br>3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10<br>95%, no condensation in operation permitted)  |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD)   | -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes   |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  | -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes 0.787 kg  |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing  | -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes 0.787 kg 0.566 kg   |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation   | -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes 0.787 kg 0.566 kg 0.235 kg  |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life   | -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes 0.787 kg 0.566 kg 0.235 kg  |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions  | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg   |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method   | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg   |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions  fastening method     of modules and accessories   | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.235 kg  -0.015 kg  front plate mounting Front plate mounting  |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method     of modules and accessories height   | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  front plate mounting Front plate mounting 33.2 mm                                |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method     of modules and accessories height width                                   | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  front plate mounting Front plate mounting  Front plate mounting  33.2 mm  9.8 mm |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method     of modules and accessories  height width depth                          | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  front plate mounting Front plate mounting  Front plate mounting  33.2 mm  9.8 mm |
| during operation     during storage environmental category during operation according to IEC 60721  Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Installation/ mounting/ dimensions fastening method     of modules and accessories height width depth suitability for integration | -40 +80 °C  3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)  Yes  0.787 kg  0.566 kg  0.235 kg  -0.015 kg  front plate mounting Front plate mounting 33.2 mm  9.8 mm  27.7 mm               |





Confirmation





<u>KC</u>

General Product Approval

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping







Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping





Confirmation

other

Environmental Confirmations

**Environment** 

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3SU1400-1AA10-1MA0

Cax online generator

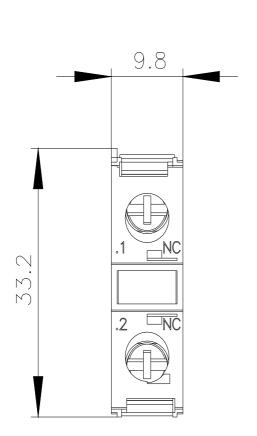
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1MA0

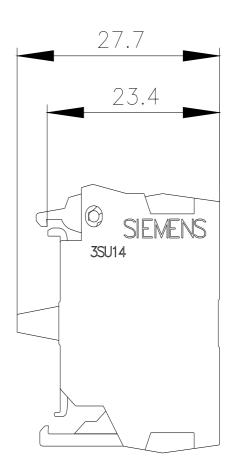
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

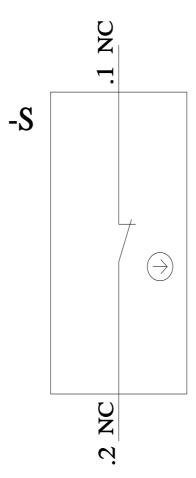
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1MA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1400-1AA10-1MA0&lang=en







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