3SU1400-2AA10-3CA0

Data sheet



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

| 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 |
| 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 | |
| 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 |

| elapsing switching | | |
|--|--|-------------------------|
| • leading contact Operational current at AC-12 | lagging switching | 0 |
| Operational current at AC-12 • 12 4V rated value | number of NO contacts for auxiliary contacts | 0 |
| 12 4V rated value | leading contact | 0 |
| | operational current at AC-12 | |
| | at 24 V rated value | 10 A |
| • at 230 V rated value | • at 48 V rated value | 10 A |
| • at 400 V rated value operational current at AC-15 • at 24 V rated value • at 300 V rated value • at 300 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 400 V rated value • at 500 V rated value • at 400 V rated value • at 40 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value | at 110 V rated value | 10 A |
| • at 400 V rated value operational current at AC-15 • at 24 V rated value • at 300 V rated value • at 300 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 400 V rated value • at 500 V rated value • at 400 V rated value • at 40 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value | at 230 V rated value | 8 A |
| operational current at AC-15 ot 24 V rited value | at 400 V rated value | 8 A |
| at 24 V rated value | operational current at AC-15 | |
| at 48 V rated value | • | 6 A |
| • at 110 V rated value 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 A 6 | at 48 V rated value | |
| at 230 V rated value | at 110 V rated value | 6 A |
| | | |
| • at 500 V rated value | | |
| at 24 V rated value | | |
| • at 24 V rated value 5 A | | |
| | · | 10 Δ |
| | | |
| at 230 V rated value | | |
| | | |
| • at 500 V rated value operational current at DC-13 • at 24 V rated value at 48 V rated value at 110 V rated value at 230 V rated value at 230 V rated value other value at 500 V rated value other value o | | |
| 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 240 V rated value 0.1 A at 250 V rated value 0.1 A connections/ Terminals type of electrical connection type of connectable conductor cross-sections solid without core end processing 6 finely stranded with core end processing 7 for AWG cables Ambient conditions ambient temperature during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories field fie | | |
| at 24 V rated value at 48 V rated value at 48 V rated value at 230 V rated value at 230 V rated value at 300 V rated value at 500 V rated value Connections/ Terminals type of electrical connection spring-loaded terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections solid without core end processing finely stranded with core end processing after a constant of the section of the sectio | | 0.3 A |
| at 48 V rated value at 110 V rated value at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value o.1 A Connections/ Terminals type of electrical connection type of connectable conductor cross-sections e solid without core end processing finely stranded with core end processing affinely stranded without core end processing finely stranded without core end processing affinely stranded without core end processing at (2.25 1.5 mm²) affinely stranded without core end processing at (2.25 1.5 mm²) affinely stranded without core end processing at (2.25 1.5 mm²) at (2.25 1.5 mm | | 2.4 |
| at 110 V rated value at 230 V rated value at 400 V rated value at 500 V rated value 0.1 A Connections/ Terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections solid without core end processing finely stranded with core end processing finely stranded with core end processing for AWG cables for AWG cables ambient temperature during operation during operation during storage environmental category during operation according to IEC 60721 spring-loaded terminals 40 +80 °C all spring-loaded terminals 40 +80 °C 40 +80 °C 3MB, 382, 382, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Installation/ mounting/ dimensions fastening method of modules and accessories floor mounting height a6 mm width 9.8 mm depth 27.7 mm suitability for integration 9 lastic enclosure metal enclosure Yes Certificates/ approvals | | |
| at 230 V rated value at 400 V rated value at 500 V rated value 0.1 A Connections/ Terminals type of electrical connection spring-loaded terminals type of electrical connection spring-loaded terminals type of connectable conductor cross-sections solid without core end processing finely stranded with core end processing for AWG cables Ambient conditions ambient temperature during operation during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories floor mounting height width glastic enclosure Yes emetal enclosure Yes Certificates/ approvals | | |
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| type of electrical connection type of connectable conductor cross-sections • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories if loor mounting | | 0.1 A |
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| • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width 9.8 mm depth suitability for integration • plastic enclosure • metal enclosure • metal enclosure • finely stranded without core end processing 2x (0.25 0.75 mm²) 2x (0.25 1.5 mm²) 2x (24 16) Ambient temperature • 25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Installation/ mounting/ dimensions floor mounting • of modules and accessories Floor mounting Ploor mounting Pl | | |
| • finely stranded without core end processing • for AWG cables Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth width | | |
| • for AWG cables Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth suitability for integration • plastic enclosure • metal enclosure • feed (24 16) Ax (24 10) Ax (24 | | |
| Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth suitability for integration • plastic enclosure • metal enclosure environmental category during operation according to IEC 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Installation/ mounting/ dimensions floor mounting floor mounting Floor mounting 9.8 mm 427.7 mm Suitability for integration • plastic enclosure • yes Certificates/ approvals | | |
| ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method • of modules and accessories height width depth suitability for integration • plastic enclosure • metal enclosure • metal enclosure • certificates/ approvals | | 2x (24 16) |
| during operation 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 of modules and accessories Floor mounting height width 9.8 mm depth suitability for integration plastic enclosure metal enclosure Certificates/ approvals | Ambient conditions | |
| during storage 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 of modules and accessories Floor mounting height width 9.8 mm depth suitability for integration plastic enclosure metal enclosure Yes Certificates/ approvals | ambient temperature | |
| environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method | during operation | -25 +70 °C |
| 60721 95%, no condensation in operation permitted) Installation/ mounting/ dimensions fastening method floor mounting • of modules and accessories Floor mounting height 36 mm width 9.8 mm depth 27.7 mm suitability for integration • plastic enclosure Yes • metal enclosure Yes Certificates/ approvals | | |
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| of modules and accessories Floor mounting height | Installation/ mounting/ dimensions | |
| height 36 mm width 9.8 mm depth 27.7 mm suitability for integration • plastic enclosure Yes • metal enclosure Yes Certificates/ approvals | fastening method | floor mounting |
| width 9.8 mm depth 27.7 mm suitability for integration • plastic enclosure Yes • metal enclosure Yes Certificates/ approvals | of modules and accessories | Floor mounting |
| depth 27.7 mm suitability for integration • plastic enclosure Yes • metal enclosure Yes Certificates/ approvals | height | 36 mm |
| suitability for integration • plastic enclosure • metal enclosure Yes Certificates/ approvals | width | 9.8 mm |
| plastic enclosure metal enclosure Yes Certificates/ approvals | depth | 27.7 mm |
| metal enclosure Yes Certificates/ approvals | suitability for integration | |
| Certificates/ approvals | plastic enclosure | Yes |
| | • metal enclosure | Yes |
| General Product Approval | Certificates/ approvals | |
| | General Product Approval | |



Confirmation







<u>KC</u>







Type Test Certificates/Test Report Special Test Certificate



Marine / Shipping

other

Environment







Confirmation

Environmental Confirmations

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=3SU1400-2AA10-3CA0

Cax online generator

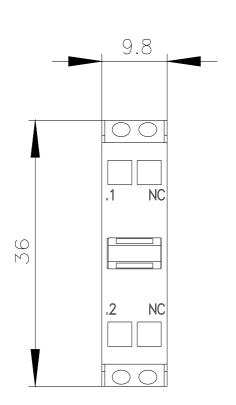
nttp://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-2AA10-3CA0

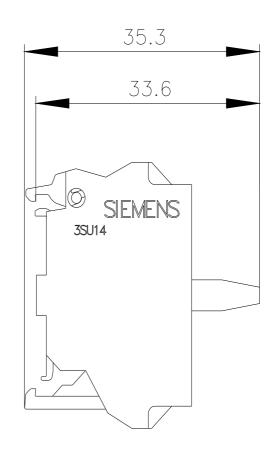
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

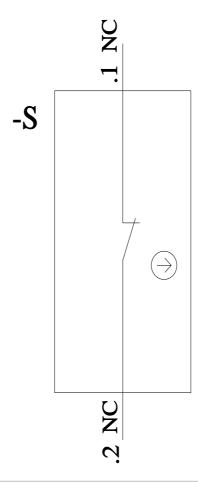
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-2AA10-3CA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-2AA10-3CA0&lang=en







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