SIEMENS

Data sheet

3SU1400-1AA10-3DA0-Z X90



Contact module with 2 contact elements, 2 NO, spring-type terminal, for front plate mounting, Z=150-unit packaging

| socket design ather interal technical data | | |
|--|--|----------------------------------|
| product type designation 38U1 contact block/ lamphoder softed design socket design other isulation positive opening No isulation voltage rated value 500 V degree of pollution 3 type of voltage AC/DC of the operating voltage AC/DC of the input voltage AC/DC of the endosure IP40 of the endosure IP40 of the input voltage Sinusoidal half-wave 15g / 11 ms of the reminal IP20 shock resistance sinusoidal half-wave 15g / 11 ms of re alway applications according to EN 61373 Category 1, Class B operating frequency maximum 3600 1/h mechanical service Iffo (operating cycles) typical 10 000 000 thermal service Iffo (operating cycles) typical 10 000 000 thermal service Iffo (operating cycles) typical 10 A stubstance Prohibitance (Date) S | product brand name | SIRIUS ACT |
| Ontact block/lampholder sockt design other sockt design other seneral technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage | product designation | Contact module |
| socket design ather interal technical data | product type designation | 3SU1 |
| Ameral technical data No product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage AC/DC • of the input voltage AC/DC • of the endotsure 6 kV protection class IP F40 • of the endotsure IP40 • of the endotsure IP20 shock resistance sinusoldal half-wave 15g / 11 ms • or railway applications according to EN 61373 Category 1. Class B vibration resistance - • or railway applications according to EN 61373 Category 1. Class B operating frequency maximum 3 600 1/h mechanical service Iife (operating cycles) typical 10 000 000 thermal current 10 A reference code according to EC 81346-2 S continuous current of the C characteristic MCB 10 A Substance Prohibitance (Date) 10/12014 op | Contact block/ lampholder | |
| product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage - • of the operating voltage AC/DC • of the operating voltage AC/DC • of the input voltage AC/DC • of the enclosure IP40 • 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 - • 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 electrical endurance (operating cycles) typical 10 A Substance Prohibitance (Date) 10/01/2014 operating voltage • at C - at 50 Hz rated value 5 500 V - at 60 Hz rated valu | socket design | other |
| insulation voltage rated value 500 V degree of pollution 3 type of voltage AC/DC • of the operating voltage AC/DC • of the input voltage AC/DC • of the input voltage AC/DC • of the enclosure BP • of the enclosure IP40 • of the enclosure AP40 • of the enclosure IP40 • of the Enclosure I | General technical data | |
| 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 category 1, Class B • according to IEC 60068-2-6 10 500 Hz; 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3600 tha mechanical service life (operating cycles) typical 10 000 000 thermal current 10 A continuous current of the C characteristic MCB 10 A subca cerceding to IEC 81346-2 S continuous current of the C characteristic MCB 10 A subca cated value 5 500 V - at 50 Hz rated value 5 500 V - at 50 Hz rated value 5 500 V - at 50 Hz rated value 5 500 V - at 50 Hz rated value 5 500 V | product function positive opening | No |
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| of the operating voltage AC/DC IP40 IP20 IP40 IP20 IP40 IP20 IP40 IP20 Shock resistance according to IEC 60068-2-27 Solod In In Solod P2-6 IO 500 Hz; 5g Category 1, Class B Operating for EC 60068-2-6 IO 500 Hz; 5g Category 1, Class B Operating requency maximum 3 600 1/h mechanical service If6e (operating cycles) typical IO 000 000 thermal current IO A Continuous current of the C characteristic MCB IO A Substance Prohibitance (Date) operating voltage ot AC - at 50 Hz rated value - at 00 Hz rated value - | degree of pollution | 3 |
| of the input voltage AC/DC surge voltage resistance rated value 6 kV protection class IP 6 kV • of the enclosure IP40 • of the terminal IP20 shock resistance isuccording to IEC 60068-2:7 • for railway applications according to EN 61373 category 1, Class B • 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 etertione endurance (operating cycles) typical 10 000 100 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 - at 60 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V - at 60 Hz rated value <th>type of voltage</th> <th></th> | type of voltage | |
| surge voltage resistance 6 kV of the enclosure IP40 of the terminal IP20 shock resistance isinusoidal half-wave 15g / 11 ms • 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 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 rate | of the operating voltage | AC/DC |
| protection class IP IP40 • of the enclosure IP40 • of the terminal IP20 shock resistance IP20 • 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 • 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 electrical endurance (operating typical) 10 000 000 thermal current 10 A reference code according to IEC 81346-2 S continuous current of the C characteristic MCB 10 0/1/2014 operating roltage - at 60 Hz rated value - at 80 Hz rated value 5 500 V - at 80 Hz rated value 5 500 V - at 80 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V - at 80 Hz rated value 5 500 V - at 80 Hz rated value 5 500 V - at 80 | of the input voltage | AC/DC |
| • of the enclosureIP40• of the terminalIP20shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class B• vibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) typical10 000 000electrical endurance (operating to EEC 81346-2Scontinuous current of the C characteristic MCB10 ASubstance Prohibitance (Date)10/01/2014operating voltage5 500 V• at AC5 500 V• at BC Hz rated value5 500 V• at DC rated value5 500 V <t< th=""><th>surge voltage resistance rated value</th><th>6 kV</th></t<> | surge voltage resistance rated value | 6 kV |
| of the terminal IP20 shock resistance IP20 • 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 Image: Category 1, Class B • 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) 01/1/2014 operating voltage - • at AC - - at 60 Hz rated value 5 500 V - at 60 Hz rated value 5 500 V • at DC rated value 5 500 V <th>protection class IP</th> <th></th> | protection class IP | |
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| • for railway applications according to EN 61373 Category 1, Class B vibration resistance - according to IEC 60068-2-6 • 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 50 Hz rated value • at AC - at 60 Hz rated value • at DC rated value 5 500 V • at DC rated value 5 5 | shock resistance | |
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| • according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Scontinuous current of the C characteristic MCB10 ASubstance Prohibitance (Date)10/01/2014operating voltage-• at AC at 50 Hz rated value5 500 V• at DC rated value5 500 | for railway applications according to EN 61373 | Category 1, Class B |
| • for railway applications according to EN 61373Category 1, Class Boperating frequency maximum3 600 1/hmechanical service life (operating cycles) typical10 000 000electrical endurance (operating cycles) typical10 000 000thermal current10 Areference code according to IEC 81346-2Scontinuous current of the C characteristic MCB10 ASubstance Prohibitance (Date)10/01/2014operating voltage- at 50 Hz rated value- at 50 Hz rated value5 500 V- at 60 Hz rated value5 500 V | vibration resistance | |
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| 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 60 Hz rated value 5 500 V • at AC tated value 5 500 V • at BC rated value 5 500 V | operating frequency maximum | 3 600 1/h |
| 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 One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) wuxiliary circuit Gesign of the contact of auxiliary contacts Silver alloy | mechanical service life (operating cycles) typical | 10 000 000 |
| 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 • by Crated value 5 500 V <th>electrical endurance (operating cycles) typical</th> <th>10 000 000</th> | electrical endurance (operating cycles) typical | 10 000 000 |
| continuous current of the C characteristic MCB 10 A Substance Prohibitance (Date) 10/01/2014 operating voltage 10/01/2014 • at AC | thermal current | 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 • at DC rated value 5 500 V • otto Hz rated value 5 500 V • at DC rated value 5 500 V • otto Hz rated value 0 ne maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) • otto Hz resultary circuit Image: Hit Hy Hz rate Hz ra | reference code according to IEC 81346-2 | S |
| 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 • at DC rated value 5 500 V • out Crated value 5 500 V • out DC rated value 0 60 V • out DC rated value 0 60 V • out DC rated value 5 500 V • out DC rated value 0 60 V • out DC rated value 5 60 V • out DC rated value 5 60 V </th <th>continuous current of the C characteristic MCB</th> <th>10 A</th> | continuous current of the C characteristic MCB | 10 A |
| e at AC | Substance Prohibitance (Date) | 10/01/2014 |
| 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 5 500 V contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) cuxiliary circuit Silver alloy | operating voltage | |
| at 60 Hz rated value 5 500 V • at DC rated value 5 500 V • ower Electronics 5 500 V contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) xuxiliary circuit Silver alloy | ● at AC | |
| • 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 | — at 50 Hz 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) xuxiliary circuit design of the contact of auxiliary contacts | — at 60 Hz rated value | 5 500 V |
| contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) auxiliary circuit Silver alloy | at DC rated value | 5 500 V |
| (5 V, 1 mÅ) Auxiliary circuit design of the contact of auxiliary contacts Silver alloy | Power Electronics | |
| design of the contact of auxiliary contacts Silver alloy | contact reliability | |
| | Auxiliary circuit | |
| number of NC contacts for auxiliary contacts 0 | design of the contact of auxiliary contacts | Silver alloy |
| | number of NC contacts for auxiliary contacts | 0 |

| Logging switching | 0 |
|---|--|
| lagging switching | |
| number of NO contacts for auxiliary contacts | 2 |
| 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 | spring-loaded terminals |
| type of connectable conductor cross-sections | |
| solid without core end processing | 2x (0.25 1.5 mm²) |
| finely stranded with core end processing | 2x (0.25 0.75 mm ²) |
| finely stranded without core end processing | 2x (0.25 1.5 mm²) |
| for AWG cables | 2x (24 16) |
| Ambient conditions | |
| ambient temperature | |
| during operation | -25 +70 °C |
| during operation during storage | -25 +70 °C |
| environmental category during operation according to IEC | 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 |
| 60721 | 95%, no condensation in operation permitted) |
| Installation/ mounting/ dimensions | |
| fastening method | front plate mounting |
| of modules and accessories | Front plate mounting |
| height | 36 mm |
| width | 9.8 mm |
| depth | 49.7 mm |
| suitability for integration | |
| plastic enclosure | No |
| metal enclosure | No |
| Certificates/ approvals | |
| 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 | |

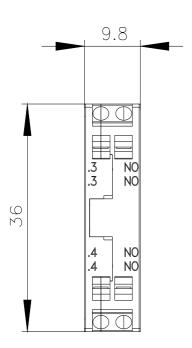
Industry Mall (Online ordering system)

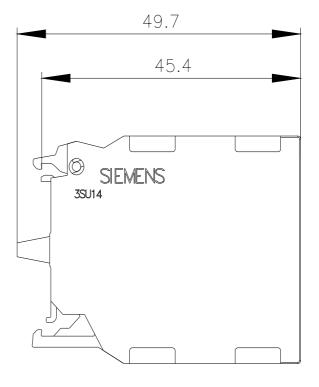
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-3DA0-Z X90

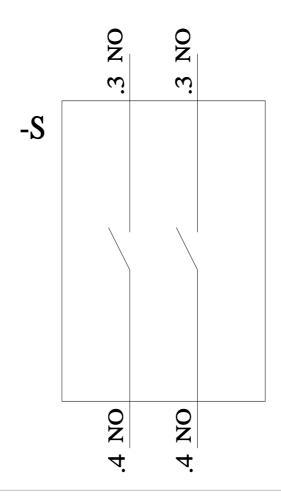
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3DA0-Z X90 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3DA0-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=3SU1400-1AA10-3DA0-Z X90&lang=en







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