## **SIEMENS**

## **Data sheet**

## 3SU1400-1AA10-3FA0-Z X90



Contact module with 2 contact elements, 1 NO+1 NC, spring-type terminal, for front plate mounting, Z=150-unit packaging

| 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   |  |
| <ul> <li>of the terminal</li> </ul>                                | 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   |  |  |
| <ul><li>according to IEC 60068-2-6</li></ul>                       | 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  |  |
| 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   |  |
| number of NC contacts for auxiliary contacts                       | 1  |  |
| <ul> <li>lagging switching</li> </ul>                              | 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   |
| <ul> <li>at 400 V rated value</li> </ul>                        | 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   |
| <ul> <li>at 500 V rated value</li> </ul>                        | 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                    |   |
| <ul> <li>solid without core end processing</li> </ul>           | 2x (0.25 1.5 mm²)   |
| <ul> <li>finely stranded with core end processing</li> </ul>    | 2x (0.25 0.75 mm²)  |
| <ul> <li>finely stranded without core end processing</li> </ul> | 2x (0.25 1.5 mm²)   |
| at AWG cables   | 2x (24 16)  |
| Ambient conditions  |   |
| ambient temperature   |   |
| during operation  | -25 +70 °C  |
| during storage  | -40 +80 °C  |
| environmental category during operation according to IEC        | 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of |
| 60721   | 10 95%, no condensation in operation permitted)                         |
| Installation/ mounting/ dimensions                              |   |
| fastening method  | front plate mounting  |
| <ul> <li>of modules and accessories</li> </ul>                  | Front plate mounting  |
| height  | 36 mm   |
| width   | 9.8 mm  |
| depth   | 49.7 mm   |
| suitability for integration                                     |   |
| <ul> <li>plastic enclosure</li> </ul>                           | No  |
| metal enclosure   | No  |
| Certificates/ approvals   |   |
| Further information   |   |
| Information on the packaging                                    |   |

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

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

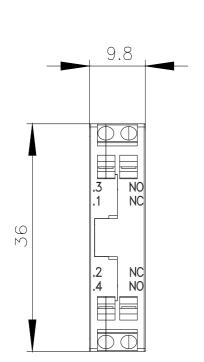
Industry Mall (Online ordering system)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-3FA0-Z X90">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-3FA0-Z X90</a>

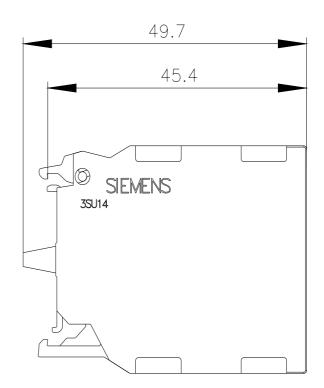
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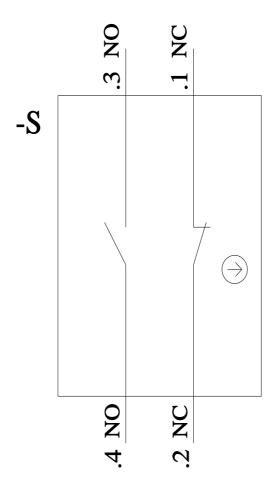
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-3FA0-Z X90

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-3FA0-Z X90

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







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