



Contact module with 2 contact elements, 1 NO leading + 1 NC lagging, gold-plated contacts, screw terminal, for front plate mounting, Z=150-unit packaging

|   |  |
|---|--|
| <b>product brand name</b>                             | SIRIUS ACT   |
| <b>product designation</b>                            | Contact module   |
| <b>product type designation</b>                       | 3SU1   |
| <b>Contact block/ lampholder</b>                      |  |
| <b>socket design</b>                                  | other  |
| <b>General technical data</b>                         |  |
| product function positive opening                     | Yes  |
| insulation voltage rated value                        | 500 V  |
| <b>degree of pollution</b>                            | 3  |
| <b>type of voltage</b>                                |  |
| • of the operating voltage                            | AC/DC  |
| • of the input voltage                                | AC/DC  |
| <b>surge voltage resistance rated value</b>           | 6 kV   |
| protection class IP                                   |  |
| • of the enclosure                                    | IP40   |
| • of the terminal                                     | IP20, clamping screw tightened   |
| <b>shock resistance</b>                               |  |
| • according to IEC 60068-2-27                         | sinusoidal half-wave 15g / 11 ms   |
| • for railway applications according to EN 61373      | Category 1, Class B  |
| <b>vibration resistance</b>                           |  |
| • according to IEC 60068-2-6                          | 10 ... 500 Hz: 5g  |
| • for railway applications according to EN 61373      | Category 1, Class B  |
| <b>operating frequency maximum</b>                    | 3 600 1/h  |
| mechanical service life (switching cycles) typical    | 10 000 000   |
| electrical endurance (switching cycles) typical       | 10 000 000   |
| <b>thermal current</b>                                | 10 A   |
| <b>reference code according to IEC 81346-2</b>        | S  |
| <b>continuous current of the C characteristic MCB</b> | 10 A   |
| <b>Substance Prohibitance (Date)</b>                  | 10/01/2014   |
| <b>operating voltage</b>                              |  |
| • 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  |
| <b>Power Electronics</b>                              |  |
| <b>contact reliability</b>                            | One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) |
| <b>Auxiliary circuit</b>                              |  |
| <b>design of the contact of auxiliary contacts</b>    | Gold-plated  |

|   |       |
|---|-------|
| <b>number of NC contacts for auxiliary contacts</b> | 1     |
| • lagging switching                                 | 1     |
| <b>number of NO contacts for auxiliary contacts</b> | 1     |
| • leading contact                                   | 1     |
| <b>operational current at AC-12</b>                 |       |
| • 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                              | 6 A   |
| <b>operational current at AC-15</b>                 |       |
| • 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                              | 4 A   |
| • at 400 V rated value                              | 3 A   |
| • at 500 V rated value                              | 1.4 A |
| <b>operational current at DC-12</b>                 |       |
| • at 24 V rated value                               | 10 A  |
| • at 48 V rated value                               | 5 A   |
| <b>operational current at DC-13</b>                 |       |
| • 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

|   |                                    |
|---|------------------------------------|
| <b>type of electrical connection</b>                | screw-type terminals               |
| <b>type of connectable conductor cross-sections</b> |                                    |
| • solid with core end processing                    | 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • solid without core end processing                 | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing          | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded without core end processing       | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • at AWG cables                                     | 2x (18 ... 14)                     |
| tightening torque with screw-type terminals         | 0.8 ... 0.9 N·m                    |

#### Ambient conditions

|  |   |
|--|---|
| <b>ambient temperature</b>                                     |   |
| • 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

|                                    |                      |
|------------------------------------|----------------------|
| <b>fastening method</b>            | front plate mounting |
| • of modules and accessories       | Front plate mounting |
| <b>height</b>                      | 34 mm                |
| <b>width</b>                       | 9.8 mm               |
| <b>depth</b>                       | 49.7 mm              |
| <b>suitability for integration</b> |                      |
| • plastic enclosure                | No                   |
| • metal enclosure                  | No                   |

#### Certificates/ approvals

#### Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

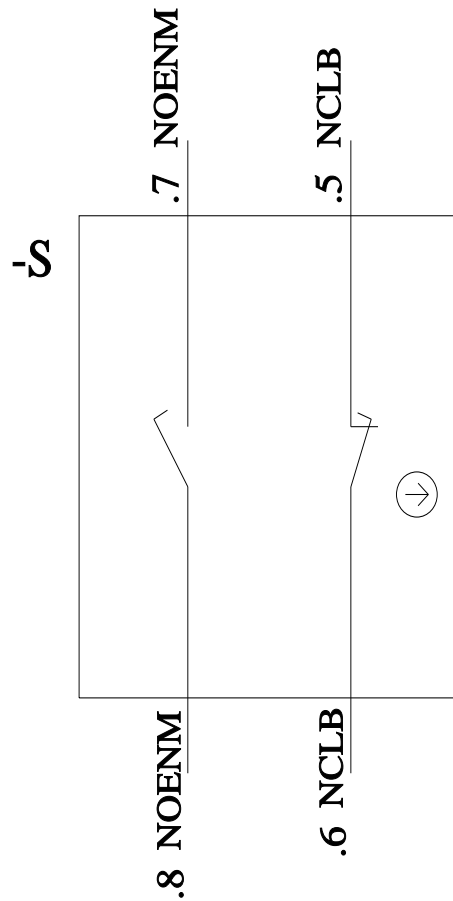
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1400-1AA10-1RA0-Z X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1400-1AA10-1RA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1AA10-1RA0-Z X90>



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