



CIRCUIT-BREAKER,  
9...12.5 A N-RELEASE 260 A, SIZE S0,  
TRANSFORMER PROTECTION, CL. 10,  
SCREW CONNECTION STANDARD BREAKING  
CAPACITY

**General technical data:**

|  |   |                 |
|--|---|-----------------|
| <b>product brand name</b>                              |   | SIRIUS          |
| <b>Product designation</b>                             |   | circuit breaker |
| <b>Size of the circuit-breaker</b>                     |   | S0              |
| <b>Number of poles / for main current circuit</b>      |   | 3               |
| <b>Product function</b>                                |   |                 |
| • removable terminal for auxiliary and control circuit |   | No              |
| • overload protection                                  |   | Yes             |
| • phase disturbance recognition                        |   | Yes             |
| • short-circuit to earth recognition                   |   | No              |
| <b>Product component</b>                               |   |                 |
| • auxiliary switch                                     |   | No              |
| • undervoltage release mechanism                       |   | No              |
| • trip indicator                                       |   | No              |
| <b>Product extension</b>                               |   |                 |
| • auxiliary switch                                     |   | Yes             |
| • optional / motor drive                               |   | No              |
| <b>Impulse voltage resistance / rated value</b>        | V | 6,000           |
| <b>Protection class IP / on the front</b>              |   | IP20            |
| <b>Protection against electrical shock</b>             |   | finger-safe     |

|   |    |             |
|---|----|-------------|
| <b>Installation altitude / at a height over sea level / maximum</b> | m  | 2,000       |
| <b>Resistance against shock</b>                                     |    | 25g / 11 ms |
| <b>Ambient temperature</b>  |    |             |
| • during transport  | °C | -50 ... +80 |
| • during storage  | °C | -50 ... +80 |
| • during operating  | °C | -20 ... +60 |
| <b>Active power loss / total / typical</b>                          | W  | 7           |

#### Main circuit:

|   |     |         |
|---|-----|---------|
| <b>Operating voltage / rated value</b>  | V   | 690     |
| <b>Operating current / at AC-3 / at 400 V / rated value</b>                           | A   | 12.5    |
| <b>Mechanical operating cycles as operating time / of the main contacts / typical</b> |     | 100,000 |
| <b>Frequency of operation / with AC-3 / maximum</b>                                   | 1/h | 15      |

#### Auxiliary circuit:

|   |  |   |
|---|--|---|
| <b>Number of changeover contacts / for auxiliary contacts</b> |  | 0 |
|---|--|---|

#### Protection function:

|  |   |            |
|--|---|------------|
| <b>Trip class</b>  |   | CLASS 10   |
| <b>Adjustable response current / of the current-dependent overload release</b> | A | 9 ... 12.5 |

#### Installation/mounting/dimensions:

|                          |    |  |
|--------------------------|----|--|
| <b>Mounting type</b>     |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| <b>mounting position</b> |    | any  |
| <b>Depth</b>             | mm | 96   |
| <b>Height</b>            | mm | 97   |
| <b>Width</b>             | mm | 45   |

#### Connections:

|  |  |  |
|--|--|--|
| <b>Arrangement of electrical connectors / for main current circuit</b> |  | front side   |
| <b>Design of the electrical connection</b>                             |  |  |
| • for main current circuit   |  | screw-type terminals   |
| • for auxiliary and control current circuit                            |  | screw-type terminals   |
| <b>Type of the connectable conductor cross-section</b>                 |  |  |
| • for main contacts  |  |  |
| • solid  |  | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • finely stranded  |  |  |
| • with conductor end processing  |  | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • stranded   |  | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) |
| • for AWG conductors / for main contacts                               |  | 2x (14 ... 10)   |

## Certificates/approvals:

### General Product Approval



CCC



CSA



UL

### Test Certificates

[Special Test Certificate](#)

### Shipping Approval



ABS



LRS



RMRS

### other

[Confirmation](#)

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

## Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

### Cax online generator:

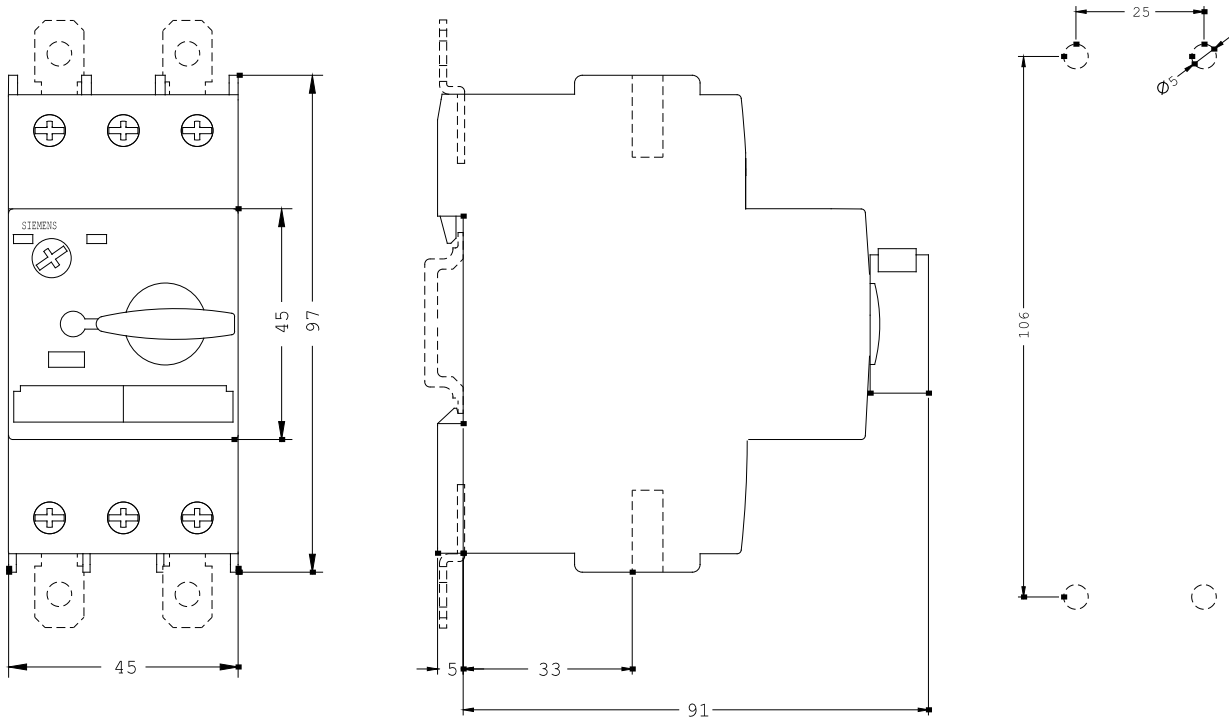
<http://www.siemens.com/cax>

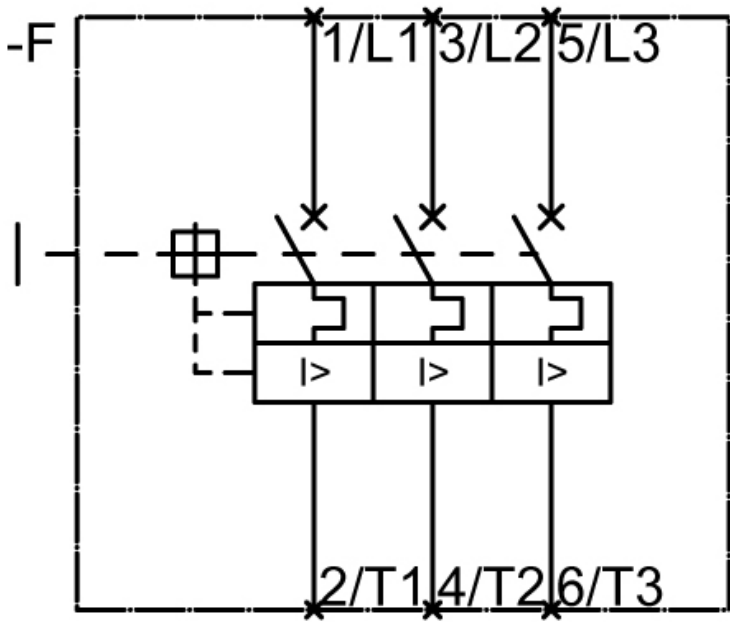
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV1421-1KA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1421-1KA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1421-1KA10)





last change:

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