



CIRCUIT-BREAKER,  
2.2...3.2 A N-RELEASE 42 A,  
SIZE S00 MOTOR PROTECTION, CLASS 10,  
CAGE CLAMP CONNECTION STANDARD BREAKING  
CAPACITY

| General technical data:                                |   |                 |
|--------------------------------------------------------|---|-----------------|
| product brand name                                     |   | SIRIUS          |
| Product designation                                    |   | circuit breaker |
| Size of the circuit-breaker                            |   | S00             |
| Number of poles / for main current circuit             |   | 3               |
| Product function                                       |   |                 |
| • removable terminal for auxiliary and control circuit |   | No              |
| • overload protection                                  |   | Yes             |
| • phase disturbance recognition                        |   | Yes             |
| • short-circuit to earth recognition                   |   | No              |
| Product component                                      |   |                 |
| • auxiliary switch                                     |   | No              |
| • undervoltage release mechanism                       |   | No              |
| • trip indicator                                       |   | No              |
| Product extension                                      |   |                 |
| • auxiliary switch                                     |   | Yes             |
| • optional / motor drive                               |   | No              |
| Impulse voltage resistance / rated value               | V | 6,000           |
| Protection class IP / on the front                     |   | IP20            |
| Protection against electrical shock                    |   | finger-safe     |

|                                                                                                                                          |                |                                           |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------|
| Installation altitude / at a height over sea level / maximum                                                                             | m              | 2,000                                     |
| Resistance against shock                                                                                                                 |                | 25g / 11 ms                               |
| Ambient temperature <ul style="list-style-type: none"> <li>during transport</li> <li>during storage</li> <li>during operating</li> </ul> | °C<br>°C<br>°C | -50 ... +80<br>-50 ... +80<br>-20 ... +60 |
| Active power loss / total / typical                                                                                                      | W              | 6                                         |

|                                                                                |     |         |
|--------------------------------------------------------------------------------|-----|---------|
| <b>Main circuit:</b>                                                           |     |         |
| Operating voltage / rated value                                                | V   | 690     |
| Service power / at AC-3 / at 400 V / rated value                               | kW  | 1.1     |
| Operating current / at AC-3 / at 400 V / rated value                           | A   | 3.2     |
| Mechanical operating cycles as operating time / of the main contacts / typical |     | 100,000 |
| Frequency of operation / with AC-3 / maximum                                   | 1/h | 15      |

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

|                                                                         |   |             |
|-------------------------------------------------------------------------|---|-------------|
| <b>Protection function:</b>                                             |   |             |
| Trip class                                                              |   | CLASS 10    |
| Adjustable response current / of the current-dependent overload release | A | 2.2 ... 3.2 |

|                                          |    |                                                                                        |
|------------------------------------------|----|----------------------------------------------------------------------------------------|
| <b>Installation/mounting/dimensions:</b> |    |                                                                                        |
| Mounting type                            |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| mounting position                        |    | any                                                                                    |
| Depth                                    | mm | 81                                                                                     |
| Height                                   | mm | 90                                                                                     |
| Width                                    | mm | 45                                                                                     |

|                                                                                                                                                                                                                                                                                                                                 |  |                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|
| <b>Connections:</b>                                                                                                                                                                                                                                                                                                             |  |                                                                         |
| Arrangement of electrical connectors / for main current circuit                                                                                                                                                                                                                                                                 |  | front side                                                              |
| Design of the electrical connection <ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>                                                                                                                                                               |  | Cage Clamp terminals<br>Cage Clamp terminals                            |
| Type of the connectable conductor cross-section <ul style="list-style-type: none"> <li>for main contacts <ul style="list-style-type: none"> <li>solid</li> <li>finely stranded <ul style="list-style-type: none"> <li>without conductor final cutting</li> <li>with conductor end processing</li> </ul> </li> </ul> </li> </ul> |  | 2x (0.25 ... 2.5 mm²)<br>2x (0.25 ... 2.5 mm²)<br>2x (0.25 ... 1.5 mm²) |

## Certificates/approvals:

### General Product Approval



CCC



CSA



### Test Certificates

[Special Test Certificate](#)

### Shipping Approval



ABS



BUREAU  
VERITAS



DNV



GL



LRS



PRS

### Shipping Approval

### other



RINA



RMRS

[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:

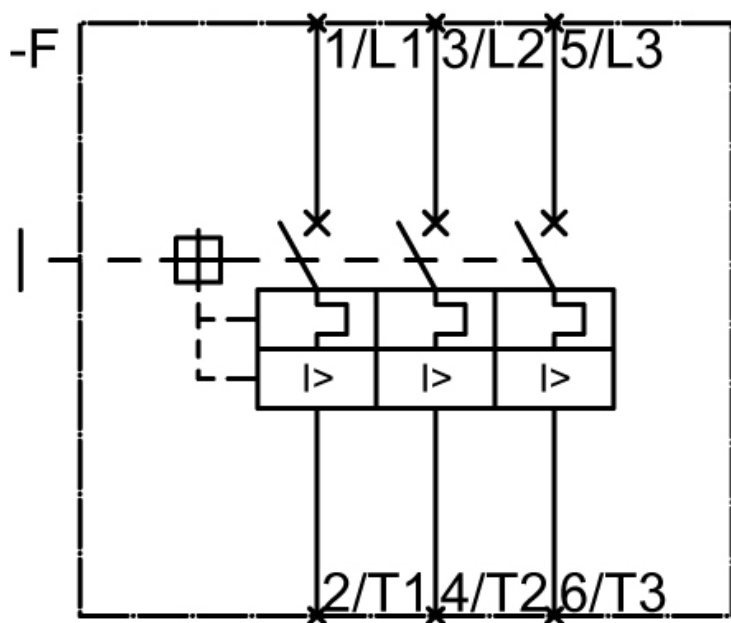
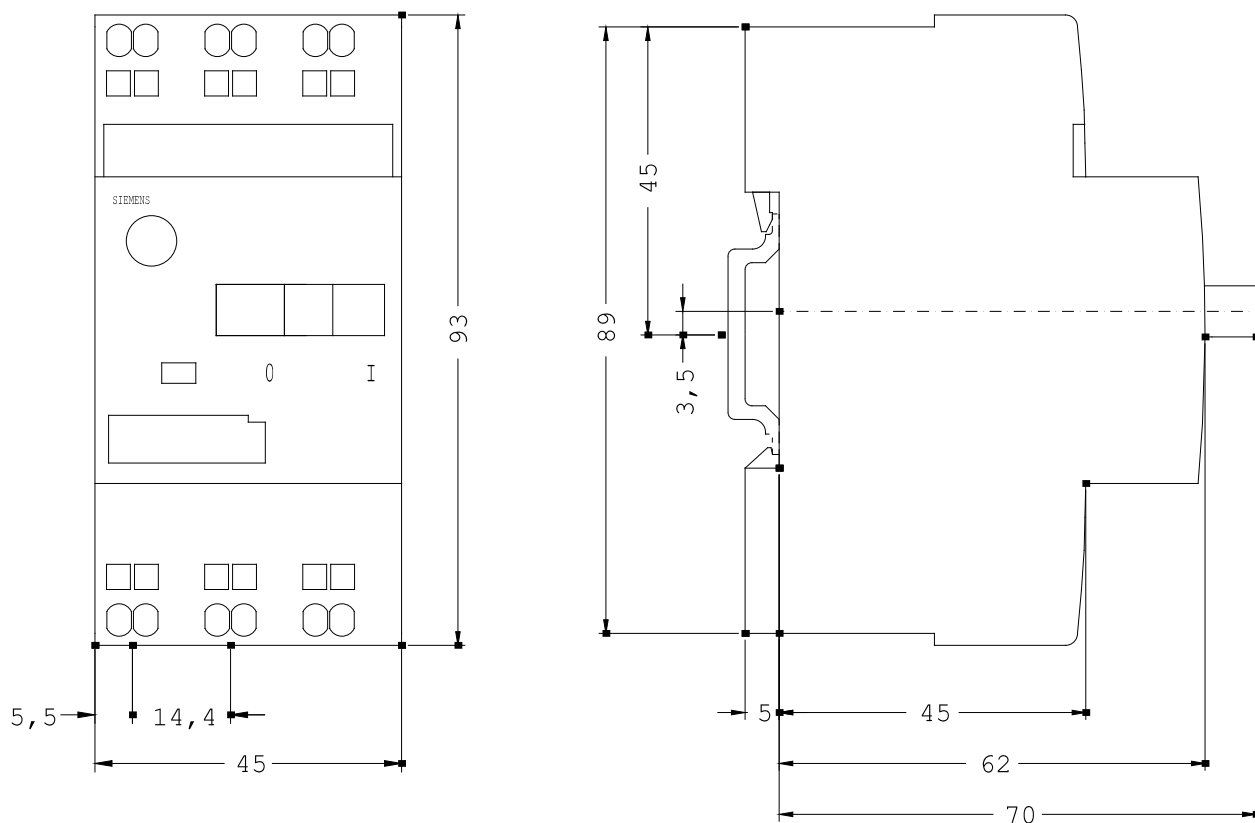
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1011-1DA20/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1011-1DA20](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1011-1DA20)



last change:

Aug 4, 2014