



CIRCUIT-BREAKER, SIZE S0,  
FOR MOTOR PROTECTION, CLASS 10,  
WITH OVERLOAD RELAY FUNCTION A REL.5.5...8 A,  
N REL. 104A, SCREW CONNECTION,  
STANDARD BREAKING CAPACITY,

| General technical data:                                |   |                 |
|--------------------------------------------------------|---|-----------------|
| product brand name                                     |   | SIRIUS          |
| Product designation                                    |   | circuit breaker |
| Size of the circuit-breaker                            |   | S0              |
| 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                                          |    |             |
| • during transport                                           | °C | -50 ... +80 |
| • during storage                                             | °C | -50 ... +80 |
| • during operating                                           | °C | -20 ... +60 |
| Active power loss / total / typical                          | W  | 7           |

|                                                                                |     |         |
|--------------------------------------------------------------------------------|-----|---------|
| <b>Main circuit:</b>                                                           |     |         |
| Operating voltage / rated value                                                | V   | 690     |
| Service power / at AC-3 / at 400 V / rated value                               | kW  | 3       |
| Operating current / at AC-3 / at 400 V / rated value                           | A   | 8       |
| 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 | 5.5 ... 8 |

|                                          |    |                                                                                        |
|------------------------------------------|----|----------------------------------------------------------------------------------------|
| <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 | 96                                                                                     |
| Height                                   | mm | 97                                                                                     |
| Width                                    | mm | 45                                                                                     |

|                                                                 |  |                                        |
|-----------------------------------------------------------------|--|----------------------------------------|
| <b>Connections:</b>                                             |  |                                        |
| Arrangement of electrical connectors / for main current circuit |  | front side                             |
| Design of the electrical connection                             |  |                                        |
| • for main current circuit                                      |  | screw-type terminals                   |
| • for auxiliary and control current circuit                     |  | screw-type terminals                   |
| Type of the connectable conductor cross-section                 |  |                                        |
| • for main contacts                                             |  |                                        |
| • solid                                                         |  | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| • finely stranded                                               |  |                                        |
| • with conductor end processing                                 |  | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |
| • stranded                                                      |  | 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) |

• 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:

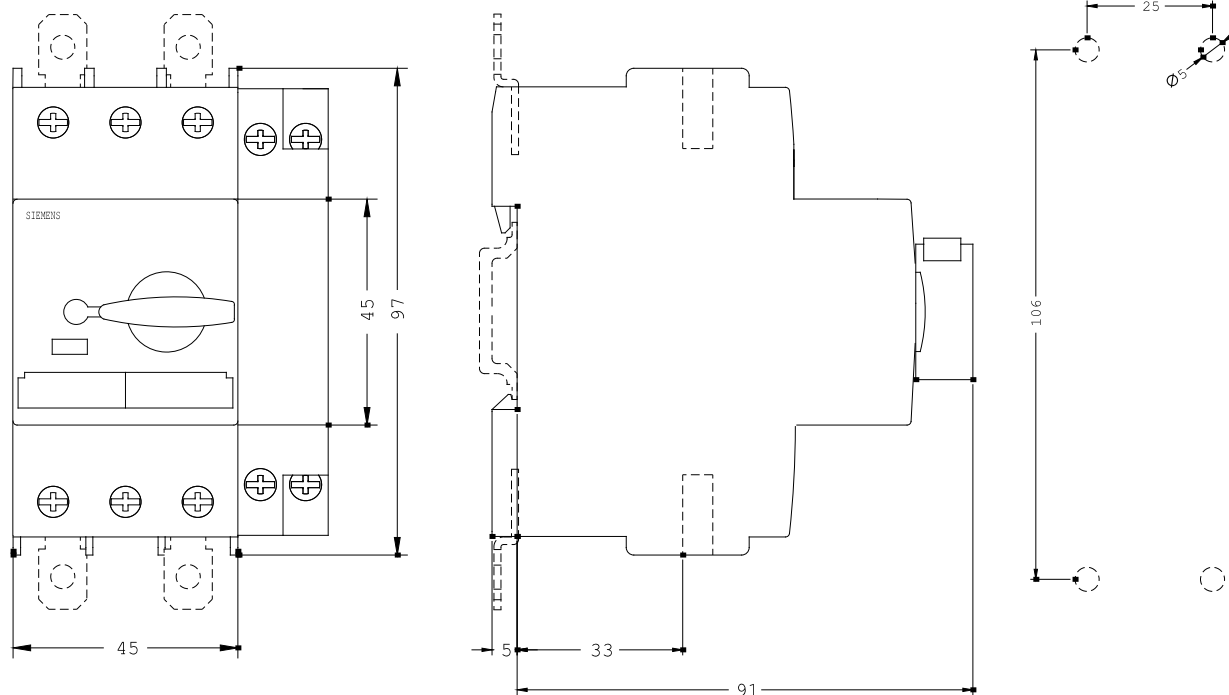
<http://www.siemens.com/cax>

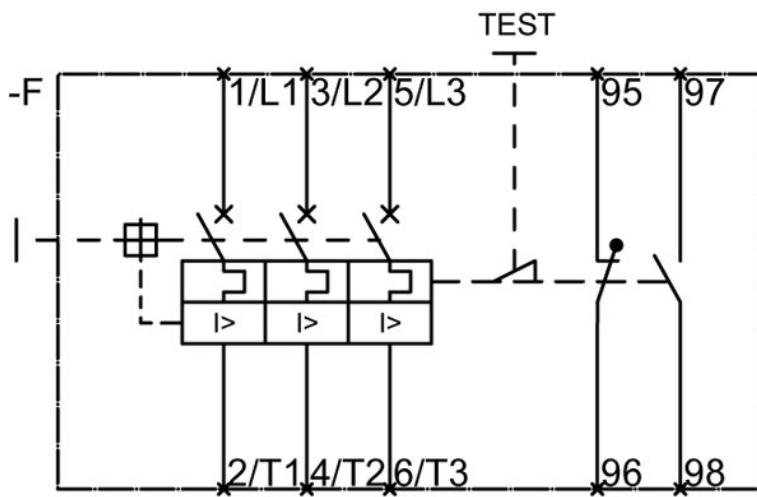
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RV1121-1HA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV1121-1HA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1121-1HA10)





last change:

Jul 7, 2014