



CIRCUIT-BREAKER SZ S00,  
A-RELEASE 4.5...6.3A,  
N-RELEASE 82A FOR MOTOR PROTECTION,  
CLASS 10, SCREW CONNECTION,  
STANDARD SW. CAPACITY

| General technical data:                                |    |                      |
|--|----|----------------------|
| product brand name                                     |    | SIRIUS               |
| Product designation                                    |    | 3RV2 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               | kV | 6                    |
| Protection class IP / on the front                     |    | IP20                 |
| Protection against electrical shock                    |    | 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  | 6.7         |

#### Main circuit:

|   |     |         |
|---|-----|---------|
| <b>Operating voltage / rated value</b>  | V   | 690     |
| <b>Service power / at AC-3 / at 400 V / rated value</b>                               | kW  | 2.2     |
| <b>Operating current / at AC-3 / at 400 V / rated value</b>                           | A   | 6.3     |
| <b>Mechanical operating cycles as operating time / of the main contacts / typical</b> |     | 100,000 |
| <b>Frequency of operation / at AC-3 / according to IEC 60947-6-2</b>                  | 1/h | 15      |

#### Auxiliary circuit:

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

#### Protective and monitoring functions:

|  |    |             |
|--|----|-------------|
| <b>Trip class</b>  |    | CLASS 10    |
| <b>Adjustable response current / of the current-dependent overload release</b> | A  | 4.5 ... 6.3 |
| <b>Breaking capacity limit short-circuit current (I<sub>cu</sub>)</b>          |    |             |
| • at 400 V / rated value   | kA | 100         |
| • at 500 V / rated value   | kA | 100         |
| • at 690 V / rated value   | kA | 6           |

#### Installation/ mounting/ dimensions:

|                          |    |  |
|--------------------------|----|--|
| <b>Type of mounting</b>  |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |
| <b>mounting position</b> |    | any  |
| <b>Depth</b>             | mm | 91   |
| <b>Height</b>            | mm | 97   |
| <b>Width</b>             | mm | 45   |

#### Connections/ terminals:

|  |  |  |
|--|--|--|
| <b>Arrangement of electrical connectors / for main current circuit</b> |  | Top and bottom   |
| <b>Design of the electrical connection</b>                             |  |  |
| • for main current circuit   |  | screw-type terminals                                     |
| <b>Type of the connectable conductor cross-section</b>                 |  |  |
| • for main contacts  |  |  |
| • solid  |  | 2x (0.75 ... 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> |

- finely stranded
  - with conductor end processing
- for AWG conductors / for main contacts

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)  
 2x (18 ... 14), 2x 12

#### Certificates/ approvals:

**General Product Approval**      other



[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/3RV6011-1GA10/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RV6011-1GA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV6011-1GA10)





last change:

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