

Circuit breaker size S00 for motor protection CLASS 10 A-release 0.7...1 A Short-circuit release 13 A Spring-type terminal Standard switching capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2011-0JA20<<



Figure similar

|                       |                      |
|-----------------------|----------------------|
| Product brand name    | SIRIUS               |
| Product designation   | circuit breaker      |
| Design of the product | for motor protection |

| General technical data                     |             |
|--|-------------|
| Product extension                          |             |
| • Auxiliary switch                         | Yes         |
| Power loss [W] total typical               | 5 W         |
| Surge voltage resistance rated value       | 6 000 V     |
| Protection class IP                        |             |
| • on the front                             | IP20        |
| Shock resistance                           | 25g / 11 ms |
| Mechanical service life (switching cycles) |             |
| • of the main contacts typical             | 100 000     |
| Continuous current rated value             | 1 A         |

| Ambient conditions                              |         |
|---|---------|
| Installation altitude at height above sea level |         |
| • maximum                                       | 2 000 m |

| Main circuit   |  |
|--|--|
| Number of poles for main current circuit   | 3  |
| Adjustable pick-up value current of the current-dependent overload release   | 0.7 ... 1 A  |
| Operating voltage <ul style="list-style-type: none"> <li>• rated value</li> <li>• at AC-3 rated value maximum</li> </ul>   | 690 V<br>690 V   |
| Operating current <ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V rated value</li> </ul> </li> </ul>  | 1 A  |
| Operating power <ul style="list-style-type: none"> <li>• at AC-3 <ul style="list-style-type: none"> <li>— at 400 V rated value</li> </ul> </li> </ul>  | 0.25 kW  |
| Operating frequency <ul style="list-style-type: none"> <li>• at AC-3 maximum</li> </ul>  | 15 1/h   |
| Auxiliary circuit  |  |
| Number of CO contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>   | 0  |
| Protective and monitoring functions  |  |
| Product function <ul style="list-style-type: none"> <li>• Ground fault detection</li> <li>• Phase failure detection</li> </ul>   | No<br>Yes  |
| (trip class)   | CLASS 10   |
| Maximum short-circuit current breaking capacity (Icu) <ul style="list-style-type: none"> <li>• at AC at 240 V rated value</li> <li>• at AC at 400 V rated value</li> <li>• at AC at 500 V rated value</li> <li>• at AC at 690 V rated value</li> </ul> | 100 kA<br>100 kA<br>100 kA<br>100 kA   |
| Short-circuit protection   |  |
| Design of the overcurrent release and short-circuit release  | thermomagnetic   |
| Installation/ mounting/ dimensions   |  |
| • (mounting position)  | any  |
| • (mounting type)  | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| (height)   | 90 mm  |
| Width  | 45 mm  |
| Depth  | 81 mm  |
| Required spacing <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— Backwards</li> </ul> </li> </ul>   | 0 mm   |

— at the side

0 mm

## Connections/Terminals

|  |  |
|--|--|
| <b>Product function</b> <ul style="list-style-type: none"> <li>removable terminal for auxiliary and control circuit</li> </ul>   | No   |
| <b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>   | spring-loaded terminals<br>spring-loaded terminals   |
| <b>Arrangement of electrical connectors for main current circuit</b>   | front side   |
| <b>Type of connectable conductor cross-sections</b> <ul style="list-style-type: none"> <li>for main contacts               <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> </ul> </li> <li>at AWG conductors for main contacts</li> </ul> | 2x (0.25 ... 2.5 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 2.5 mm <sup>2</sup> )<br><br>2x (24 ... 14) |

## Certificates/approvals

### General Product Approval



### For use in hazardous locations

### Declaration of Conformity



[Miscellaneous](#)

### Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

### Marine / Shipping



### Marine / Shipping



### other

[Miscellaneous](#)

[Confirmation](#)

### other



## Further information

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

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

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-0JA20>

### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-0JA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0JA20>

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

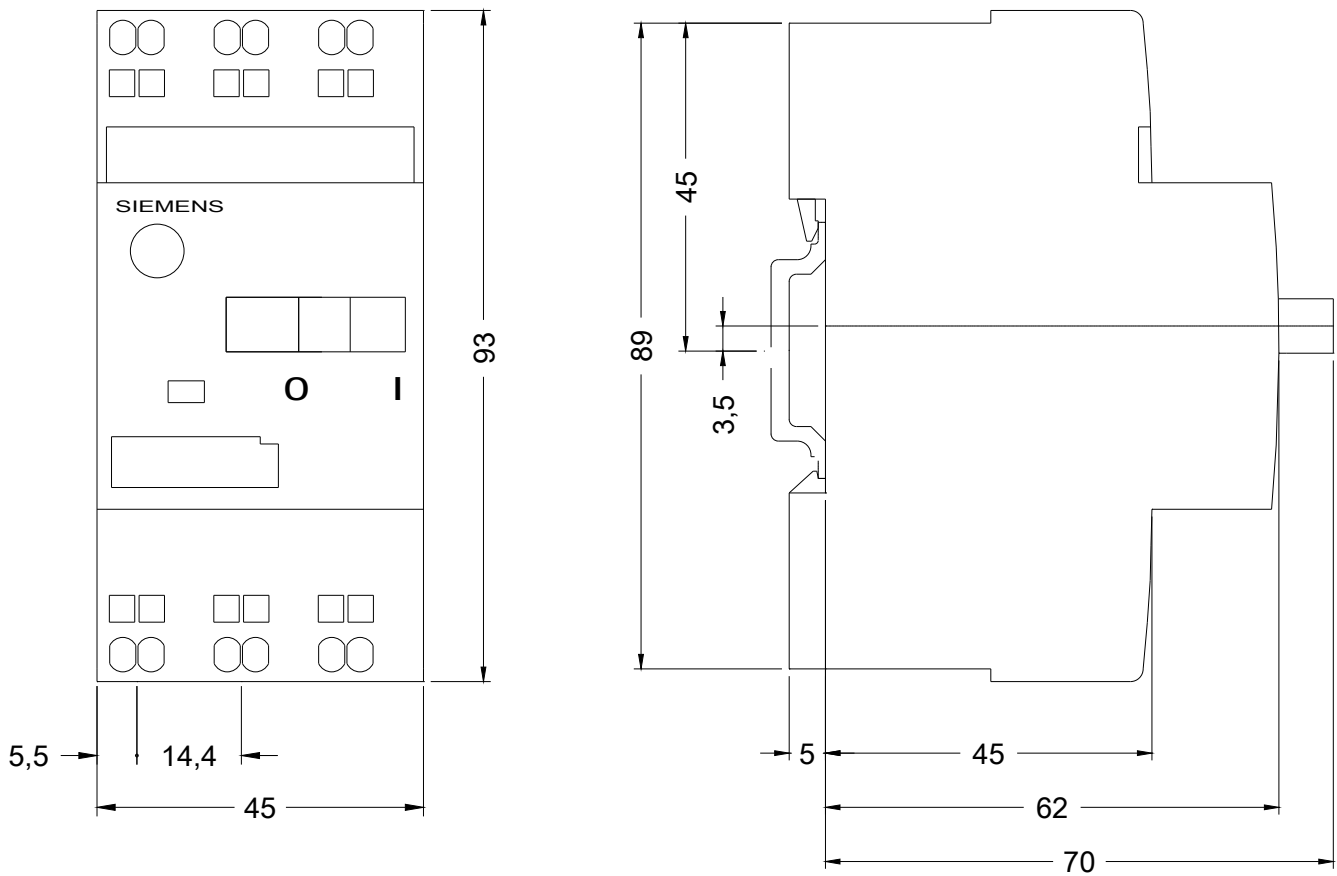
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1011-0JA20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-0JA20&lang=en)

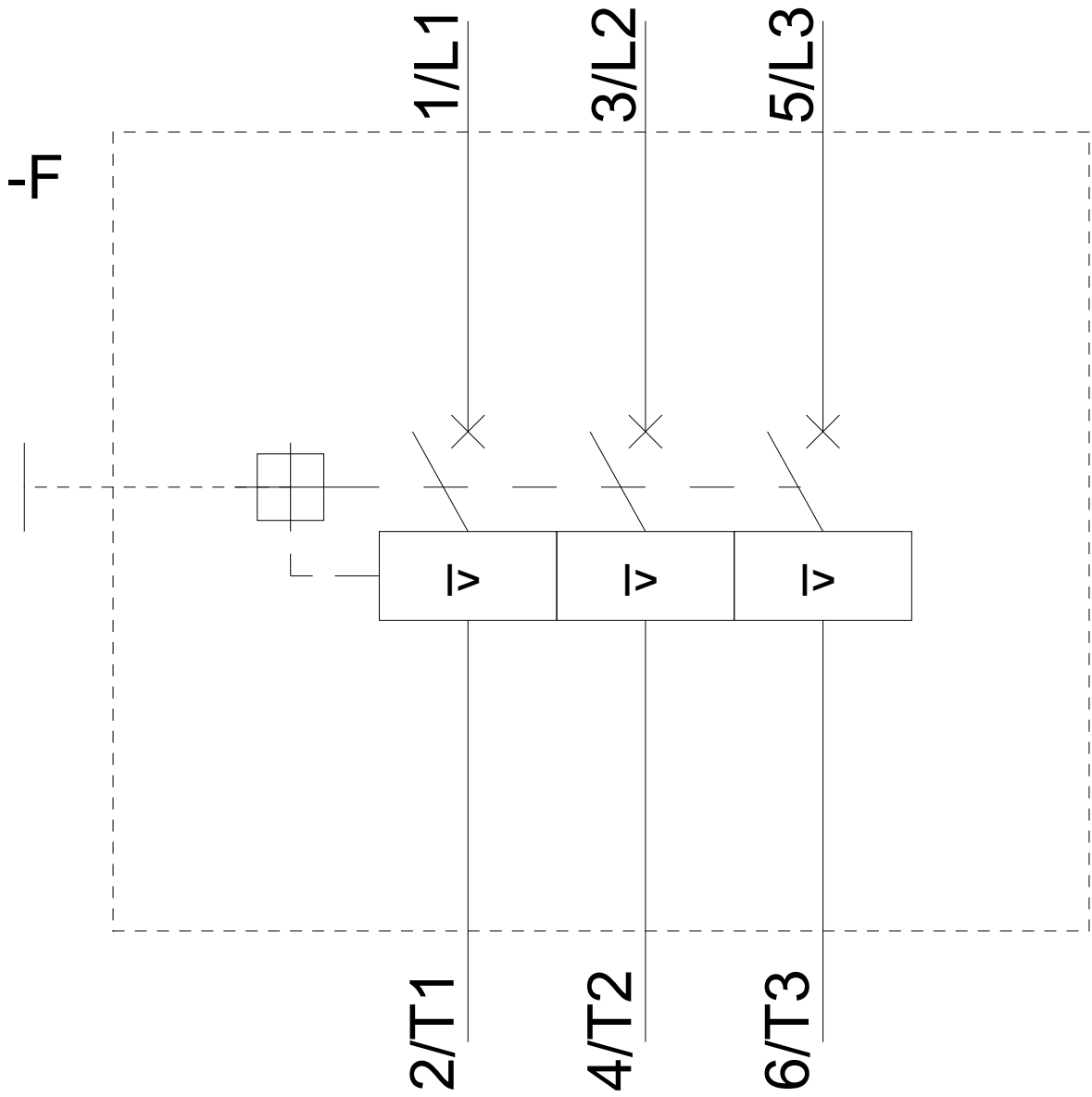
### Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-0JA20/char>

### Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-0JA20&objecttype=14&gridview=view1>





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