

CIRCUIT-BREAKER N-RELEASE 8.2 A, SIZE S0 STARTER PROTECTION, 100 KA SCREW CONNECTION STANDARD BREAKING CAPACITY



Figure similar

Product brand name	SIRIUS
Product designation	circuit breaker
Design of the product	for starter combinations

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	0.63 A

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

<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	<p>-20 ... +60 °C</p> <p>-50 ... +80 °C</p> <p>-50 ... +80 °C</p>

### Main circuit

<b>Number of poles for main current circuit</b>	3
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>rated value</li> <li>at AC-3 rated value maximum</li> </ul>	<p>690 V</p> <p>690 V</p>
<b>Operating current</b>	
<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>	0.63 A
<b>Operating power</b>	
<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>	0.18 kW
<b>Operating frequency</b>	
<ul style="list-style-type: none"> <li>at AC-3 maximum</li> </ul>	15 1/h

### Auxiliary circuit

<b>Number of CO contacts</b>	
<ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>	0

### Protective and monitoring functions

<b>Product function</b>	
<ul style="list-style-type: none"> <li>Ground fault detection</li> <li>Phase failure detection</li> </ul>	<p>No</p> <p>No</p>
<b>Maximum short-circuit current breaking capacity (Icu)</b>	
<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>	<p>100 kA</p> <p>100 kA</p> <p>100 kA</p> <p>100 kA</p>

### Short-circuit protection

<b>Design of the overcurrent release and short-circuit release</b>	magnetic
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### Installation/ mounting/ dimensions









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

- with side-by-side mounting
  - Backwards 0 mm
  - at the side 0 mm

## Connections/Terminals

<b>Product function</b>	No
<ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>	
<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>	screw-type terminals screw-type 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>— stranded</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• at AWG conductors for main contacts</li> </ul>	2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ) 2x (14 ... 10)

## Certificates/approvals

General Product Approval		Declaration of Conformity	Test Certificates
 CCC	 CSA	 UL	 EAC
		 EG-Konf.	<a href="#">Special Test Certificate</a>
Marine / Shipping	other		
 ABS	 RMRS	<a href="#">Confirmation</a>	<a href="#">Miscellaneous</a>
		 VDE	

## 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=3RV1321-0GC10>

### Cax online generator

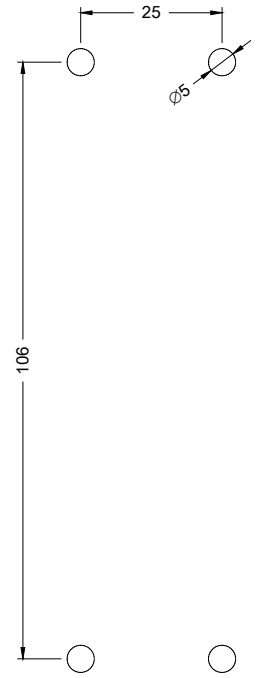
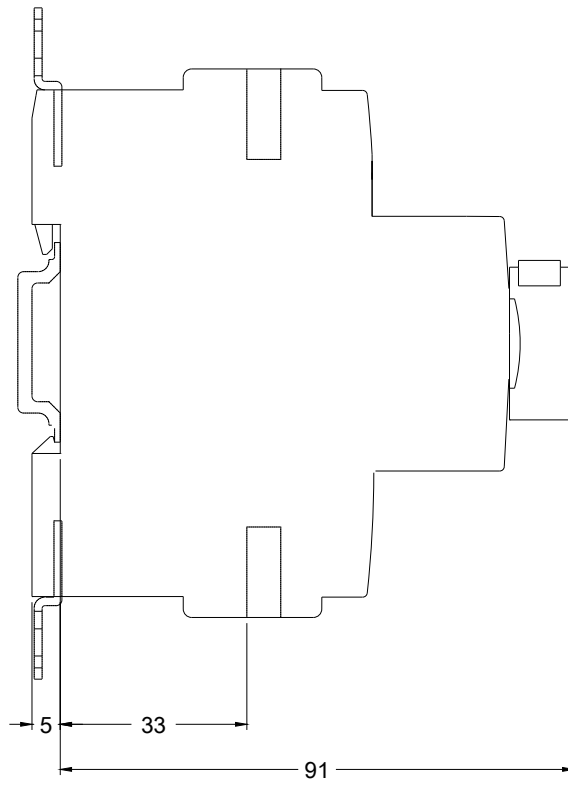
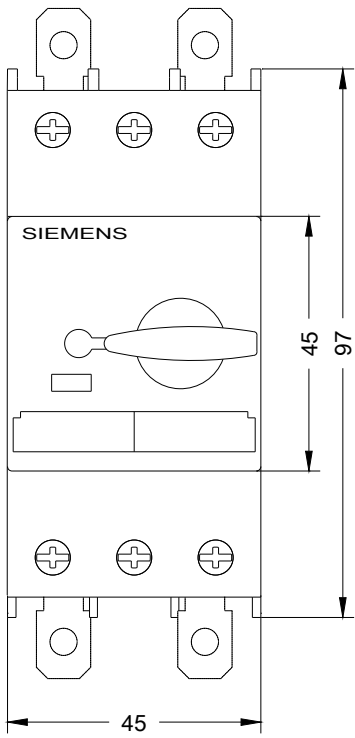
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1321-0GC10>

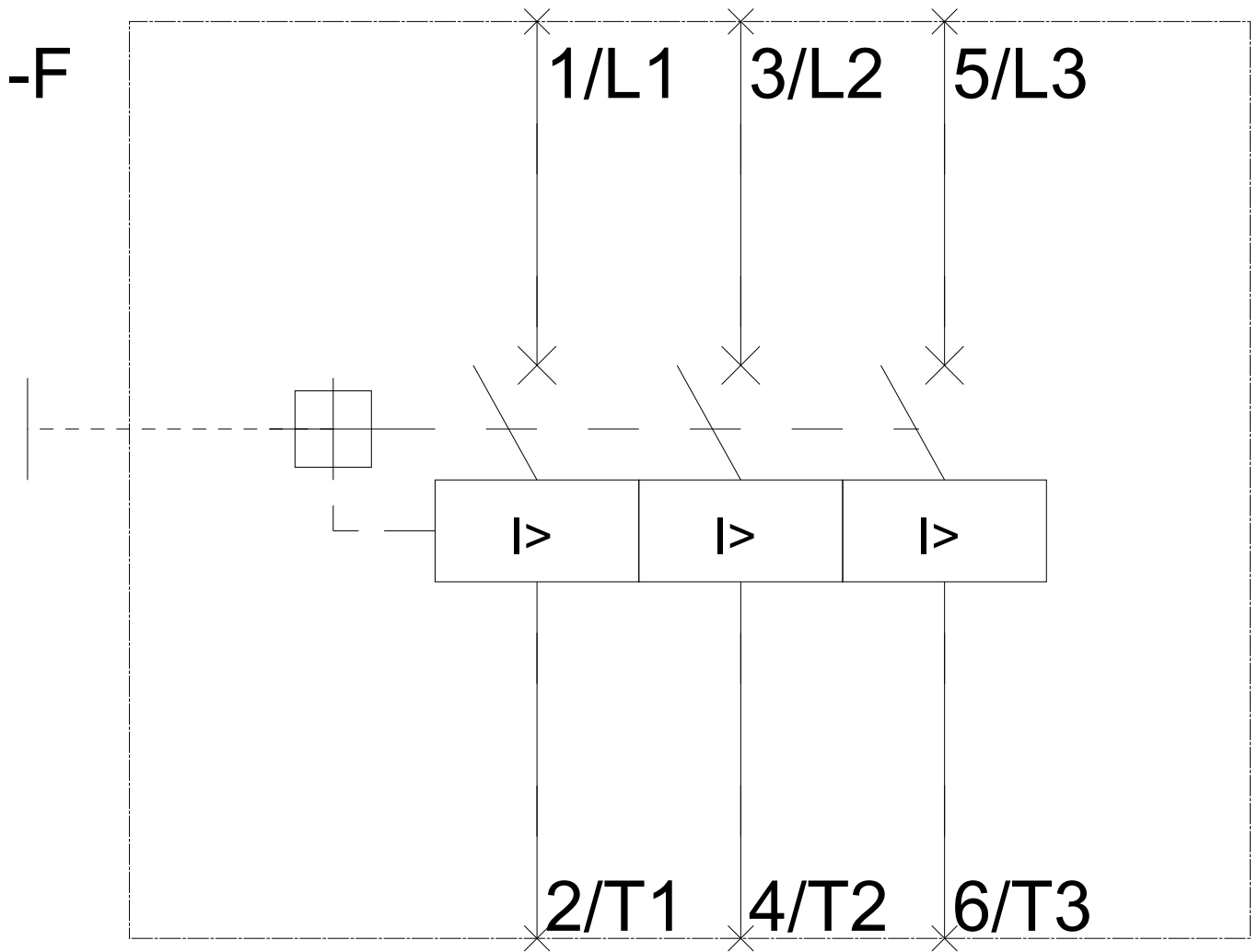
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1321-0GC10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1321-0GC10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1321-0GC10&lang=en)





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