

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



Figure similar

product brandname	SIRIUS
Product designation	circuit breaker
Design of the product	for motor protection

### General technical data

<b>Product extension</b>	
<ul style="list-style-type: none"> <li>Auxiliary switch</li> </ul>	Yes
<b>Power loss [W] total typical</b>	6 W
<b>Surge voltage resistance rated value</b>	6 000 V
<b>Protection class IP</b>	
<ul style="list-style-type: none"> <li>on the front</li> </ul>	IP20
<b>Mechanical service life (switching cycles)</b>	
<ul style="list-style-type: none"> <li>of the main contacts typical</li> </ul>	100 000
















### Ambient conditions

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

Main circuit	
Number of poles for main current circuit	3
Adjustable pick-up value current of the current-dependent overload release	2.2 ... 3.2 A
Operating voltage <ul style="list-style-type: none"> <li>• rated value</li> <li>• at AC-3 rated value maximum</li> </ul>	690 V 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>	3.2 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>	1.1 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	
Trip class	CLASS 10
Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) <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 100 kA 3 kA 2 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> <li>— at the side</li> </ul> </li> </ul>	0 mm 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>	spring-loaded terminals
<ul style="list-style-type: none"> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> </ul>	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> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 2.5 mm <sup>2</sup> ) 2x (24 ... 14)

### Certificates/approvals

General Product Approval			For use in hazardous locations		
					
CCC	CSA	UL		ATEX	IECEX
Declaration of Conformity	Test Certificates	Shipping Approval			
	<a href="#">Special Test Certificate</a>				
EG-Konf.		ABS	BUREAU VERITAS	GL	LRS
Shipping Approval			other		
			<a href="#">Miscellaneous</a>	<a href="#">Confirmation</a>	<a href="#">Environmental Confirmations</a>
PRS	RINA	RMRS			
other					
					
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?mfb=3RV1011-1DA20>

**Cax online generator**

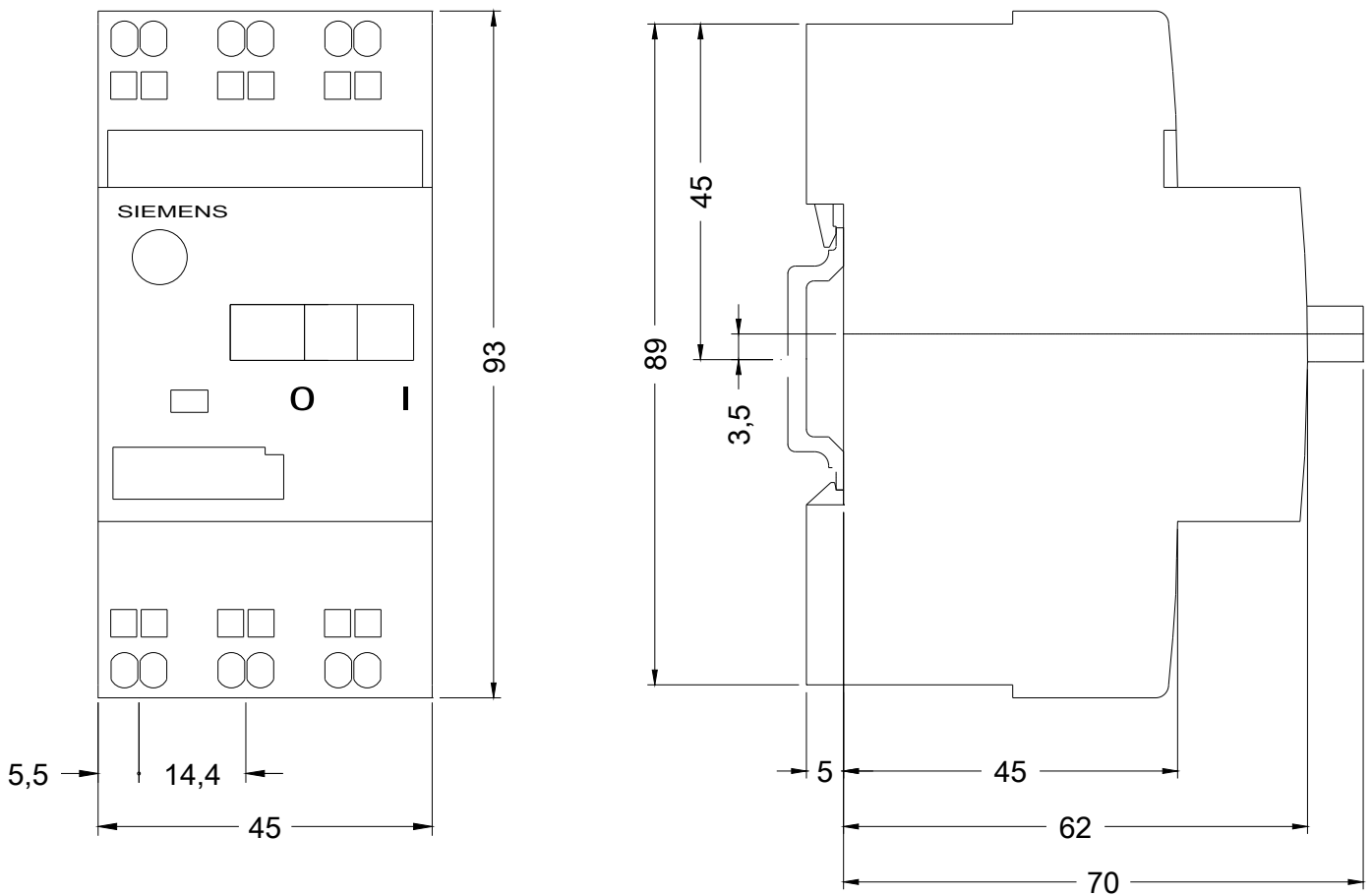
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RV1011-1DA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1DA20>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RV1011-1DA20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RV1011-1DA20&lang=en)





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