







Special type Circuit breaker size S00 for motor protection CLASS 10 A-release 1.1...1.6 A N-release 21 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC Ambient temperature -50 °C 500 switching cycles

product brand name	SIRIUS
product designation	circuit breaker
design of the product	for motor protection
<b>General technical data</b>	
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
• at AC in hot operating state	7.25 W
• at AC in hot operating state per pole	2.4 W
surge voltage resistance rated value	6 000 V
protection class IP on the front	IP20
shock resistance	25g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	500
continuous current rated value	1.6 A
Substance Prohibitance (Date)	01/01/2013
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-50 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
<b>Main circuit</b>	
number of poles for main current circuit	3
adjustable current response value current of the current-dependent overload release	1.1 ... 1.6 A
operating voltage	
• rated value	690 V
• rated value	20 ... 690 V
• at AC-3 rated value maximum	690 V
operational current at AC-3 at 400 V rated value	1.6 A
operating power at AC-3	
• at 400 V rated value	0.55 kW
operating frequency at AC-3 maximum	15 1/h
<b>Auxiliary circuit</b>	
design of the auxiliary switch	transverse
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
• at 24 V	2 A
• at 230 V	0.5 A

operational current of auxiliary contacts at DC-13		1 A			
<ul style="list-style-type: none"><li>• at 24 V</li><li>• at 60 V</li></ul>		0.15 A			
Protective and monitoring functions					
product function	<ul style="list-style-type: none"><li>• ground fault detection</li><li>• phase failure detection</li></ul>	No Yes			
trip class		CLASS 10			
design of the overload release		thermal			
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 100 kA 100 kA 2 kA			
response value current of instantaneous short-circuit trip unit		21 A			
Short-circuit protection					
design of the short-circuit trip		magnetic			
design of the overcurrent release and short-circuit release		thermomagnetic			
Installation/ mounting/ dimensions					
mounting position		any			
fastening method		screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022			
height		90 mm			
width		45 mm			
depth		81 mm			
required spacing with side-by-side mounting	<ul style="list-style-type: none"><li>• backwards</li><li>• at the side</li></ul>	0 mm 0 mm			
Connections/ Terminals					
product component removable terminal for auxiliary and control circuit		No			
type of electrical connection	<ul style="list-style-type: none"><li>• for main current circuit</li><li>• for auxiliary and control circuit</li></ul>	screw-type terminals screw-type terminals			
arrangement of electrical connectors for main current circuit		front side			
type of connectable conductor cross-sections for main contacts	<ul style="list-style-type: none"><li>• solid</li><li>• stranded</li><li>• finely stranded with core end processing</li></ul>	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)			
type of connectable conductor cross-sections	<ul style="list-style-type: none"><li>• for auxiliary contacts<ul style="list-style-type: none"><li>— solid</li><li>— finely stranded with core end processing</li></ul></li><li>• for AWG cables for auxiliary contacts</li></ul>	2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (18 ... 14)			
Safety related data					
touch protection against electrical shock		finger-safe			
Certificates/ approvals					
General Product Approval	For use in hazard- ous locations	Declaration of Conformity	Test Certificates		
<a href="#">Confirmation</a>					<a href="#">Special Test Certificate</a>
		IECEX		EG-Konf.	
Test Certificates	Marine / Shipping				



Marine / Shipping

other

Railway



[Confirmation](#)

[Miscellaneous](#)



[Special Test Certificate](#)

## Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1AA15-0BA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1AA15-0BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1AA15-0BA0>

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

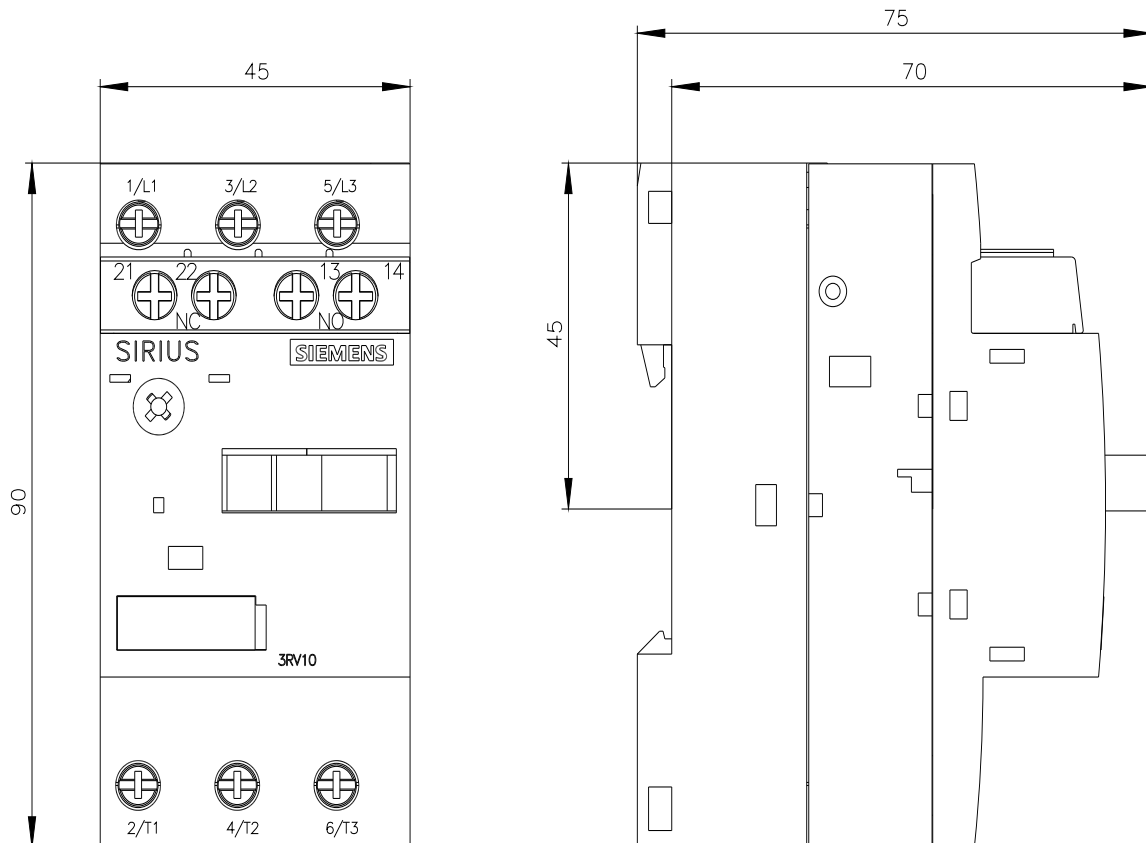
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RV1011-1AA15-0BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1AA15-0BA0&lang=en)

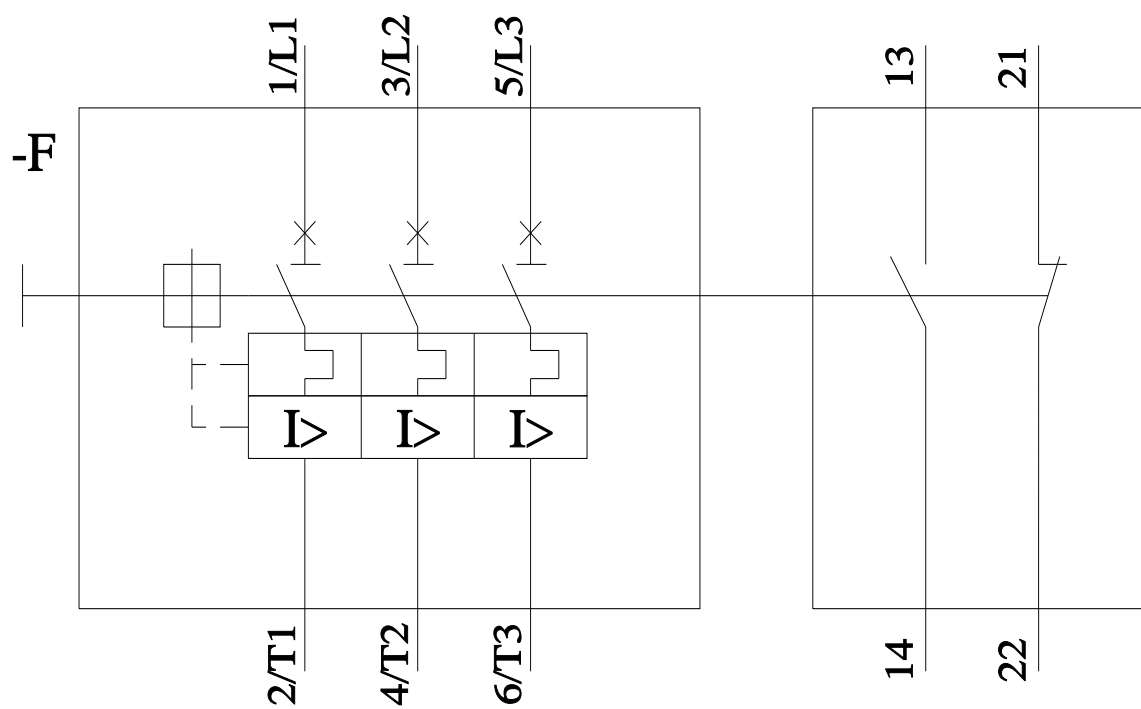
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1AA15-0BA0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1AA15-0BA0&objecttype=14&gridview=view1>





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