



Figure similar

Circuit breaker size S0 for motor protection CLASS 10 A-release 1.1...1.6 A Short-circuit release 21 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2011-1AA15<<

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] 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	100 000
continuous current rated value	1.6 A
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-50 ... +80 °C
• during transport	-50 ... +80 °C
Main circuit	
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
• 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
Auxiliary circuit	
design of the auxiliary switch	transverse
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	
• at 24 V	1 A

• at 60 V		0.15 A
Protective and monitoring functions		
product function		
• ground fault detection		No
• phase failure detection		Yes
trip class		CLASS 10
maximum short-circuit current breaking capacity (Icu)		
• at AC at 240 V rated value		100 kA
• at AC at 400 V rated value		100 kA
• at AC at 500 V rated value		100 kA
• at AC at 690 V rated value		100 kA
Short-circuit protection		
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		97 mm
width		45 mm
depth		96 mm
required spacing with side-by-side mounting		
• backwards		0 mm
• at the side		0 mm
Connections/ Terminals		
product component removable terminal for auxiliary and control circuit		No
type of electrical connection		
• for main current circuit		screw-type terminals
• for auxiliary and control circuit		screw-type terminals
arrangement of electrical connectors for main current circuit		front side
type of connectable conductor cross-sections for main contacts		
• solid		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• stranded		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
• finely stranded with core end processing		2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
type of connectable conductor cross-sections		
• for auxiliary contacts		
— solid		2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
— finely stranded with core end processing		2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)
• for AWG cables for auxiliary contacts		2x (18 ... 14)
Safety related data		
touch protection against electrical shock		finger-safe
Certificates/ approvals		
General Product Approval		For use in hazardous locations
Confirmation 		
For use in hazardous locations		
Declaration of Conformity  Type Test Certificates/Test Report Special Test Certificate 		
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=3RV1021-1AA15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1021-1AA15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-1AA15>

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

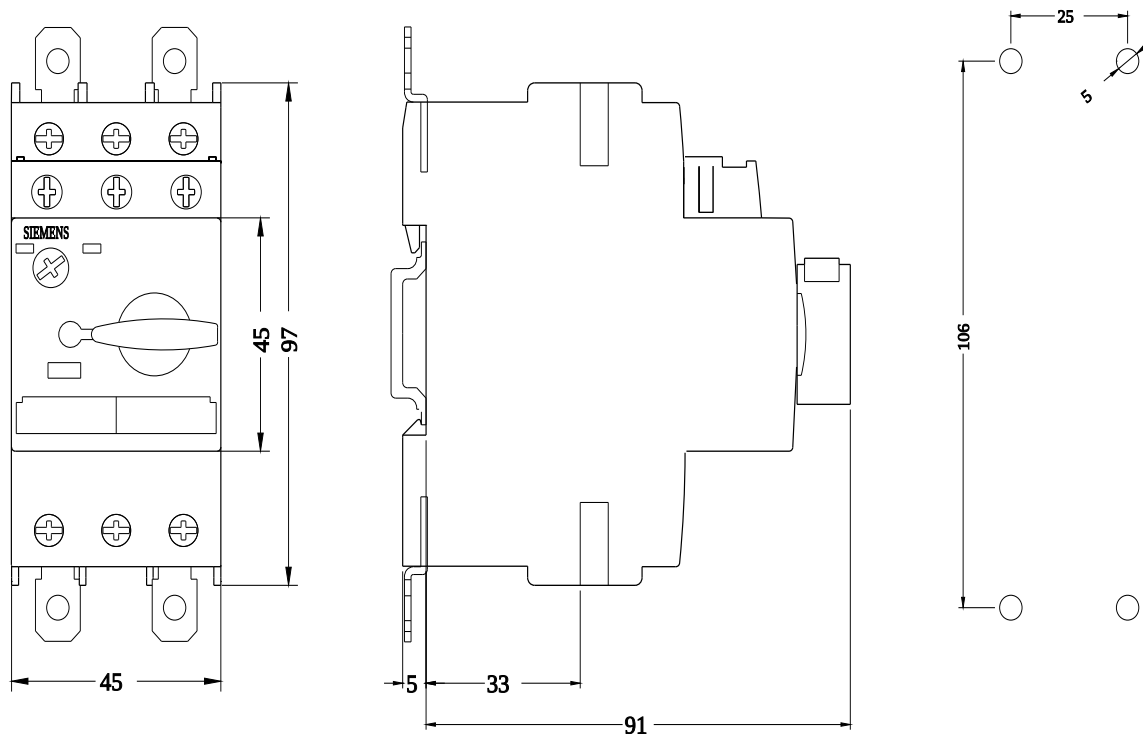
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-1AA15&lang=en

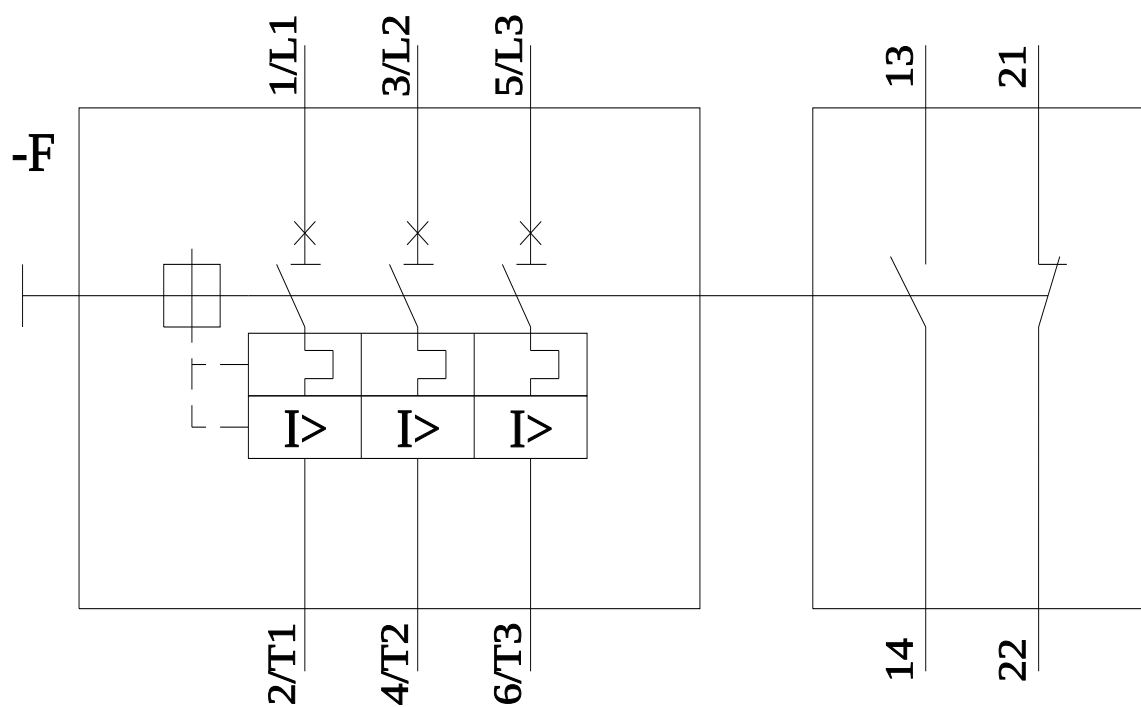
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1021-1AA15/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1021-1AA15&objecttype=14&gridview=view1>





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