



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 Prohibittance (Date)	05/01/2012
Weight	0.377 kg
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 • at 60 V	1 A 0.15 A
Protective and monitoring functions	
product function	
• ground fault detection • phase failure detection	No Yes
trip class	CLASS 10
maximum short-circuit current breaking capacity (Icu)	
• at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value	100 kA 100 kA 100 kA 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 • at the side	0 mm 0 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	No
type of electrical connection	
• for main current circuit • for auxiliary and control circuit	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	
• solid • stranded • finely stranded with core end processing	2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²)
type of connectable conductor cross-sections	
• for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts	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)
Electrical Safety	
touch protection against electrical shock	finger-safe
Approvals Certificates	
General Product Approval	

[Confirmation](#)



For use in hazardous locations		Test Certificates	Marine / Shipping	
		Type Test Certificates/Test Report	Special Test Certificate	
other		Railway	Environment	



Further information

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, ...)

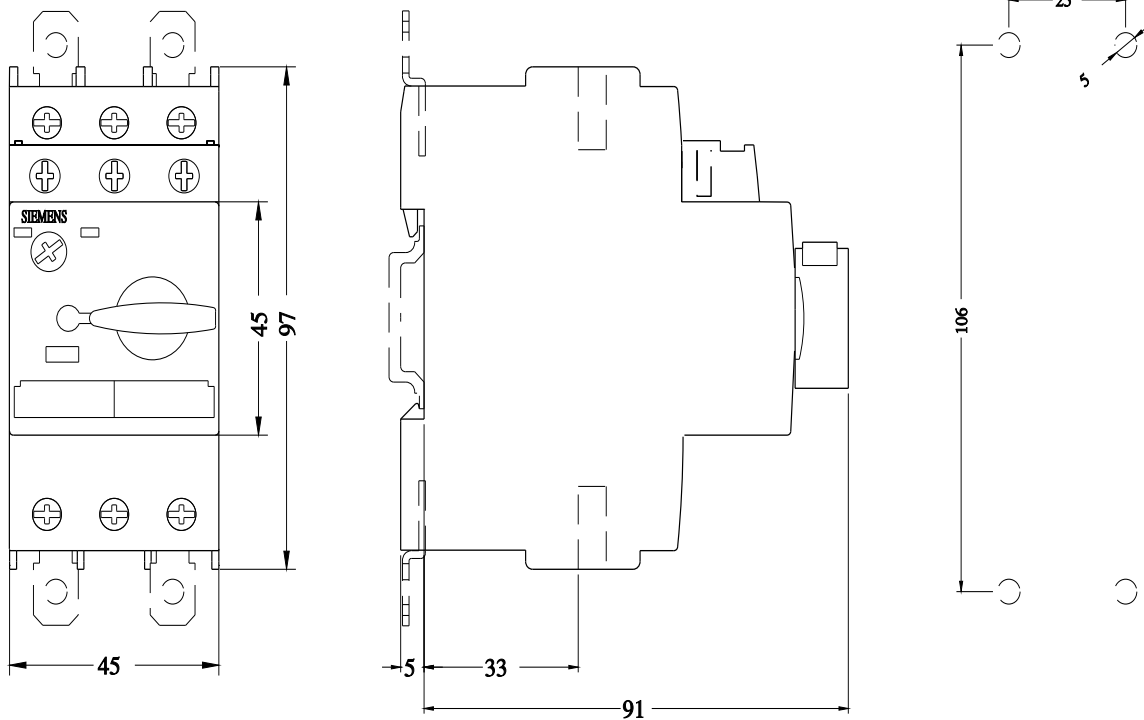
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1021-1AA15&lang=en

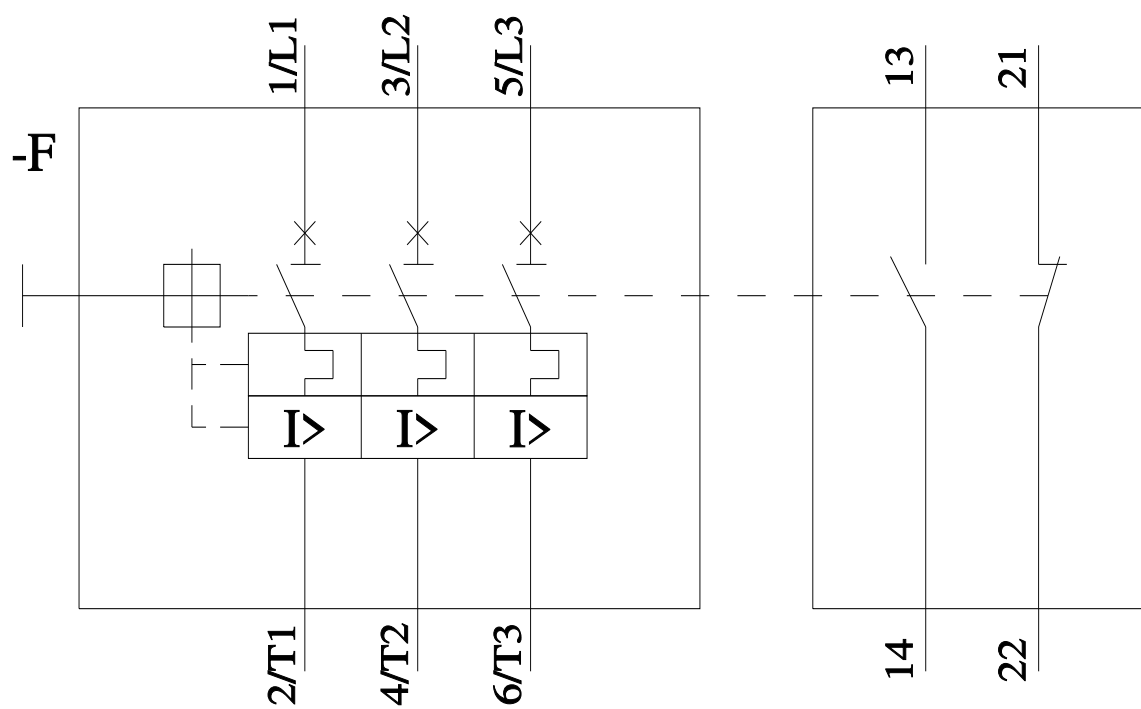
Characteristic: Tripping characteristics, I_t, Let-through current

<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>





last modified:

11/21/2022