SIEMENS

Data sheet

3RV2411-1BA15



Circuit breaker size S00 for transformer protection A-release 1.4...2 A N release 42 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC $\,$

product brand name	SIRIUS					
product designation	Circuit breaker					
design of the product	For transformer protection					
product type designation	3RV2					
General technical data						
size of the circuit-breaker	S00					
size of contactor can be combined company-specific	S00, S0					
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					
insulation voltage with degree of pollution 3 at AC rated value	690 V					
surge voltage resistance rated value	6 kV					
shock resistance according to IEC 60068-2-27	25g / 11 ms					
mechanical service life (operating cycles)						
 of the main contacts typical 	100 000					
 of auxiliary contacts typical 	100 000					
electrical endurance (operating cycles) typical	100 000					
reference code according to IEC 81346-2	Q					
Substance Prohibitance (Date)	10/01/2009					
Ambient conditions						
installation altitude at height above sea level maximum	2 000 m					
ambient temperature						
	-20 +60 °C					
 during operation 	-20 +60 °C					
during operationduring storage	-20 +60 °C -50 +80 °C					
during storage	-50 +80 °C					
during storageduring transport	-50 +80 °C -50 +80 °C					
during storage during transport relative humidity during operation	-50 +80 °C -50 +80 °C					
during storage during transport relative humidity during operation Main circuit	-50 +80 °C -50 +80 °C 10 95 %					
during storage during transport relative humidity during operation <u>Main circuit number of poles for main current circuit adjustable current response value current of the </u>	-50 +80 °C -50 +80 °C 10 95 % 3					
during storage during transport relative humidity during operation <u>Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release </u>	-50 +80 °C -50 +80 °C 10 95 % 3					
• during storage • during transport relative humidity during operation <u>Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage </u>	-50 +80 °C -50 +80 °C 10 95 % 3 1.4 2 A					
• during storage • during transport relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value	-50 +80 °C -50 +80 °C 10 95 % 3 1.4 2 A 20 690 V					
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• at AC-3	
— at 230 V rated value	0.4 kW
— at 400 V rated value	0.8 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 kW
• at AC-3e	
— at 230 V rated value	0.4 kW
— at 400 V rated value	0.8 kW
— at 500 V rated value	0.8 kW
— at 690 V rated value	1.1 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
	15 1/11
Auxiliary circuit	
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 120 V	0.5 A
• at 125 V	0.5 A
• at 230 V	0.5 A
operational current of auxiliary contacts at DC-13	0.0 A
• at 24 V	1 A
• at 60 V	0.15 A
	0.13 A
Protective and monitoring functions	
product function	
ground fault detection	No
 phase failure detection 	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (lcu)	
 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 	10 kA
operating short-circuit current breaking capacity (lcs)	
at AC	
 at 240 V rated value 	100 kA
 at 400 V rated value 	100 kA
 at 500 V rated value 	100 kA
 at 690 V rated value 	10 kA
response value current of instantaneous short-circuit trip	42 A
unit	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	2 A
• at 600 V rated value	2 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	0.13 hp
• for 3-phase AC motor	
— at 460/480 V rated value	1 hp
— at 575/600 V rated value	1 hp
contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
	Vee
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link	
 for short-circuit protection of the auxiliary switch required 	Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current Ik < 400 A)
design of the fuse link for IT network for short-circuit protection of the main circuit	

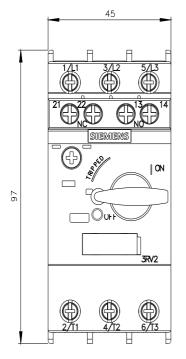
• et 300 VgU/g 25 A• et 300 VgU/g 26 A• et 300 VgU/g 20 A• et 3					
• et 600 V gb/g 20 A mounting position any fastening method any fastening method any internating method any with 44 mm with 44 mm international 97 mm required spacing 97 mm international 97 mm required spacing 97 mm international 97 mm international 90 mm internatinternatinte					
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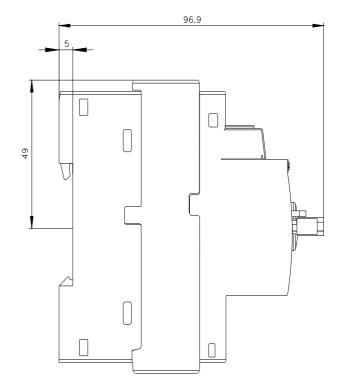
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•	T1 value for proof test interval or service life according to			10 a			
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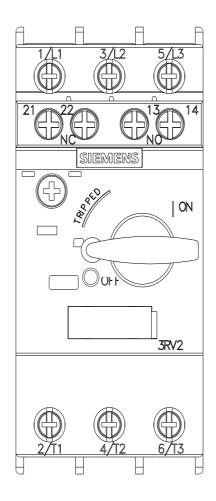
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1BA15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2411-1BA15&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1BA15/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-1BA15&objecttype=14&gridview=view1



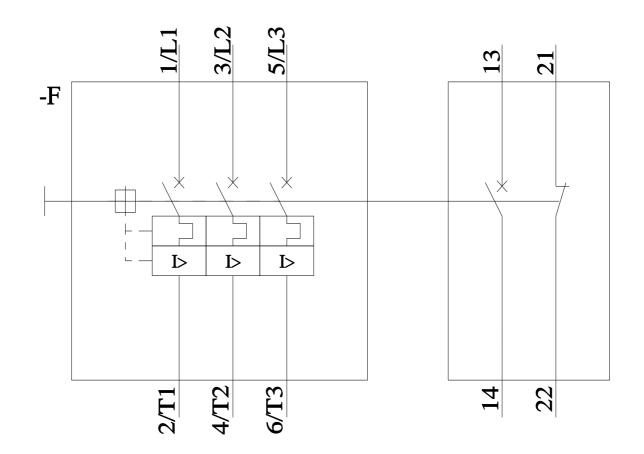




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