SIEMENS

Data sheet

3RV2011-1EA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 2.8...4 A N release 52 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 motor 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
maximum permissible voltage for safe isolation in networks with grounded star point	
 between main and auxiliary circuit 	400 V
 between main and auxiliary circuit 	400 V
shock resistance acc. to IEC 60068-2-27	25g / 11 ms
mechanical service life (switching cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (switching cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2009 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
 ambient temperature during operation 	-20 +60 °C
 ambient temperature during storage 	-50 +80 °C
 ambient temperature during transport 	-50 +80 °C
temperature compensation	-20 +60 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3

adjustable current response value current of the current response value current of expensions value current of expensions value current of expensions value of the value operation frequency rated value 600 V 600	eurrent-dependent overlage rated value 980 V • operating voltage rat.2-3 rated value maximum 980 V opparticinal current rated value 4 A operating requency rated value 4 A operating accurrent rated value 4 A operating requency rated value 4 A operating accurrent rated value 1500 W • at 400 V rated value 200 W • at 600 V rated value 200 W • at 600 V rated value 3000 W • operating requency rate value 3000 W • operating value 0 • operating requency rate value 0 • operating value 0.5 A • at 20 V 0.5 A • at 20 V 0.5 A • at 20 V rated value 0.5 A • at 20 V rate value 0.5 A • at 20 V rated value 0.5 A • at 800 V rated value 0.5 A • at 800 V rated		
• operating voltage at AC-3 rated value 600 V operational current rated value 4 A operational current rated value 750 W • at 200 V rated value 750 W • at 400 V rated value 2200 W • at 600 V rated value 3000 W operation fequency rated S-3 maximum 15 fb. Avxinger circuit Transverse rumber of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts 0 operational current of auxiliary contacts at DC-13 1 • at 20 V 0.5 A • at 21 20 V 0.5 A • at 220 V 0.5 A • at 230 V 0.5 A • at 24 V 1 A • at 60 V 0.5 A operational current of auxiliary contacts at DC-13 1 A • at 60 V 0.5 A oprotectional current of auxiliary contacts at DC-13 </td <td>• operating voltage at A_C3 rated value maximum 600 V operational current rated value 600 · 00 ///> operational current rated value 4A operational current rated value 500 W • at 800 V rated value 200 W • at 800 V rated value 300 W operation fequency at AC-3 maximum 15 Ih Anxiliary oricuit transverse number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts at AC-15 2A • at 120 V 05 A • at 24 V 0.5 A • at 24 V 0.5 A • at 60 V rated value 0.5 A • at 60 V rated value 0.5 A • at 60 V rated value 0.5 A</td> <td></td> <td>2.8 4 A</td>	• operating voltage at A_C3 rated value maximum 600 V operational current rated value 600 · 00 ///> operational current rated value 4A operational current rated value 500 W • at 800 V rated value 200 W • at 800 V rated value 300 W operation fequency at AC-3 maximum 15 Ih Anxiliary oricuit transverse number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts at AC-15 2A • at 120 V 05 A • at 24 V 0.5 A • at 24 V 0.5 A • at 60 V rated value 0.5 A • at 60 V rated value 0.5 A • at 60 V rated value 0.5 A		2.8 4 A
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• at 240 V rated value100 kA• at 400 V rated value100 kA• at 500 V rated value100 kA• at 690 V rated value4 kAbreaking capacity maximum short-circuit current (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratings4 A• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp• at 300 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value0.75 hp- at 200/208 V rated value0.75 hp	• 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 4 kA breaking capacity maximum short-circuit current (Icu) 00 kA • at AC at 240 V rated value 100 kA • 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 600 V rated value 6 kA response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings 52 A full-load current (FLA) for 3-phase AC motor 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.125 hp - at 200 / rated value 0.33 hp • for 3-phase AC motor - - at 200/280 V rated value 0.75 hp - at 200/280 V rated value 0.75 hp - at 460/480 V rated value 2 hp	breaking capacity operating short-circuit current (lcs)	
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• at 500 V rated value100 kA• at 690 V rated value4 kAbreaking capacity maximum short-circuit current (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 A UL/CSA ratingsUL/CSA ratings full-load current (FLA) for 3-phase AC motor4 A• at 480 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]0.125 hp• for single-phase AC motor0.333 hp• at 200/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp	• at 500 V rated value100 kA• at 690 V rated value4 kAbreaking capacity maximum short-circuit current (Icu)• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]• for single-phase AC motor0.125 hp- at 210/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp		
• at 690 V rated value4 kAbreaking capacity maximum short-circuit current (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor0.333 hp• for 3-phase AC motor0.75 hp- at 220/230 V rated value0.75 hp	• at 690 V rated value4 kAbreaking capacity maximum short-circuit current (Icu)00 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]• for single-phase AC motor0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value0.75 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp		
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 at AC at 240 V rated value 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 bkA at AC at 690 V rated value bkA bkA	• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor • at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp- at 110/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor - at 220/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp		
• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor • at 480 V rated value• at 600 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor at 230 V rated value0.75 hp- at 220/230 V rated value0.75 hp	• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp• for single-phase AC motor0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor0.75 hp- at 220/208 V rated value0.75 hp- at 460/480 V rated value2 hp		100 kA
• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor • at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp• for single-phase AC motor - at 110/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor - at 200/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp	• at AC at 500 V rated value100 kA• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor0.333 hp• for 3-phase AC motor0.75 hp- at 220/230 V rated value0.75 hp- at 60/480 V rated value2 hp		
• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]0.125 hp• for single-phase AC motor0.125 hp- at 110/120 V rated value0.333 hp• for 3-phase AC motor0.75 hp- at 220/230 V rated value0.75 hp	• at AC at 690 V rated value6 kAresponse value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 A• at 10/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp		
response value current of instantaneous short-circuit trip unit52 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]0.125 hp• for single-phase AC motor0.333 hp• at 230 V rated value0.333 hp• for 3-phase AC motor0.75 hp• at 220/208 V rated value0.75 hp	response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 4 A at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 10/120 V rated value 0.125 hp - at 230 V rated value 0.333 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.75 hp - at 460/480 V rated value 2 hp		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor 4 A • at 480 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.125 hp - at 230 V rated value 0.333 hp • for 3-phase AC motor 0.75 hp - at 220/230 V rated value 0.75 hp	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0 A yielded mechanical performance [hp] 6 for single-phase AC motor - at 110/120 V rated value 0.125 hp - at 230 V rated value 0.333 hp • for 3-phase AC motor 0.75 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp		
full-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor- at 200/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp	full-load current (FLA) for 3-phase AC motor• at 480 V rated value4 A• at 600 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor- at 200/208 V rated value0.75 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp		
 at 480 V rated value at 600 V rated value 4 A 4 A 4 A 9 yielded mechanical performance [hp] for single-phase AC motor - at 110/120 V rated value 0.125 hp - at 230 V rated value 0.333 hp for 3-phase AC motor - at 200/208 V rated value 0.75 hp - at 220/230 V rated value 0.75 hp 	 at 480 V rated value at 600 V rated value 4 A at 600 V rated value 4 A yielded mechanical performance [hp] for single-phase AC motor - at 110/120 V rated value 0.125 hp - at 230 V rated value 0.333 hp for 3-phase AC motor - at 200/208 V rated value 0.75 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp 		
at 600 V rated value 4 A yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value 0.125 hp — at 230 V rated value 0.333 hp o for 3-phase AC motor — at 200/208 V rated value 0.75 hp — at 220/230 V rated value 0.75 hp	• at 600 V rated value4 Ayielded mechanical performance [hp]4 A• for single-phase AC motor0.125 hp- at 110/120 V rated value0.125 hp- at 230 V rated value0.333 hp• for 3-phase AC motor		4.0
yielded mechanical performance [hp]• for single-phase AC motor at 110/120 V rated value0.125 hp at 230 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value0.75 hp at 220/230 V rated value0.75 hp	yielded mechanical performance [hp]• for single-phase AC motor at 110/120 V rated value0.125 hp at 230 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value0.75 hp at 220/230 V rated value0.75 hp at 460/480 V rated value2 hp		
 for single-phase AC motor at 110/120 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 0.75 hp at 220/230 V rated value 0.75 hp 	 for single-phase AC motor at 110/120 V rated value 0.125 hp at 230 V rated value 0.333 hp for 3-phase AC motor at 200/208 V rated value 0.75 hp at 220/230 V rated value 0.75 hp at 460/480 V rated value 2 hp 		4 A
at 110/120 V rated value0.125 hp at 230 V rated value0.333 hp• for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value0.75 hp at 220/230 V rated value0.75 hp			
 at 230 V rated value for 3-phase AC motor at 200/208 V rated value 0.75 hp at 220/230 V rated value 0.75 hp 			0.125 hr
for 3-phase AC motor — at 200/208 V rated value at 220/230 V rated value 0.75 hp 0.75 hp	• for 3-phase AC motor — at 200/208 V rated value 0.75 hp — at 220/230 V rated value 0.75 hp — at 460/480 V rated value 2 hp		
			0.333 Np
— at 220/230 V rated value 0.75 hp		•	0.75 hz
	- at 460/480 V rated value 2 hp		
	- at 575/600 V rated value 3 hp		
- at 575/600 V rated value 3 hp		- at 575/600 V rated value	зпр

contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link	indgriete
 for short-circuit protection of the auxiliary switch required 	Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)
design of the fuse link for IT network for short-circuit	
protection of the main circuit	
• at 400 V	gL/gG 32 A
• at 500 V	gL/gG 32 A
• at 690 V	gL/gG 25 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
 for grounded parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
product function 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	Top and bottom
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²

finaly strang	ded with core end pro	cossing	2x (0.5 1.5 mm²), 2x (0.7	$75 - 2.5 \text{ mm}^2$		
 at AWG cables for 		Jeessing	, , ,	75 2.5 mm)		
		tions	2x (18 14), 2x 12			
type of connectable of		tions				
 for auxiliary cont 						
 — solid or stranded — finely stranded with core end processing 			2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)			
-		cessing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)			
at AWG cables for auxiliary contacts		2x (20 16), 2x (18 14)				
• tightening torque for main contacts with screw-type terminals		0.8 1.2 N·m				
 tightening torque for auxiliary contacts with screw- type terminals 		0.8 1.2 N·m				
design of screwdriver shaft		Diameter 5 to 6 mm				
size of the screwdrive			Pozidriv 2			
design of the thread of	of the connection so	crew				
 for main contacts 	S		M3			
 of the auxiliary a 	nd control contacts		M3			
Safety related data						
B10 value						
 with high deman 	d rate acc. to SN 319	20	5 000			
proportion of danger						
	d rate acc. to SN 3192	20	50 %			
	d rate acc. to SN 319		50 %			
failure rate [FIT]		20	50 78			
	d rate acc. to SN 3192	20				
		-	50 FIT			
T1 value for proof tes IEC 61508			10 y			
protection class IP or			IP20			
touch protection on t		60529	finger-safe, for vertical con	tact from the front		
display version for swit	tching status		Handle			
Certificates/ approvals	;					
General Product App	proval			For use in hazardo	us locations	
				IFCF	Ē	
(SP)		(UL)	EHC	IECE×	(Ex) ATEX	
			EHC	IECE×	KEX ATEX	
Declaration of Confo	ccc	UL UL	tes	IECEx IECEx Marine / Shipping	ATEX	
	ccc				Ex ATEX	
Declaration of Confo Miscellaneous	ccc ormity EG-Konf.	Test Certificat Special Tes Certificate				
<u>Miscellaneous</u>	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>		ATEX ATEX	
	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>		KEEK ATEX	
<u>Miscellaneous</u>	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>		KEEK ATEX	
<u>Miscellaneous</u>	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>			
Miscellaneous Marine / Shipping	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		
<u>Miscellaneous</u>	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		
Miscellaneous Marine / Shipping	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		
Miscellaneous Marine / Shipping	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		
Miscellaneous Marine / Shipping	C C C EG-Konf.	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		
Miscellaneous Marine / Shipping	CE	Special Tes	<u>t Type Test</u> <u>Certificates/Test</u>	Marine / Shipping		



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=3RV2011-1EA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1EA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1EA15

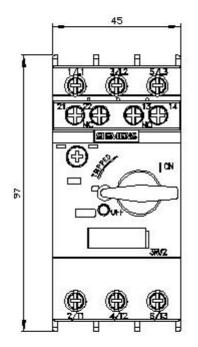
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

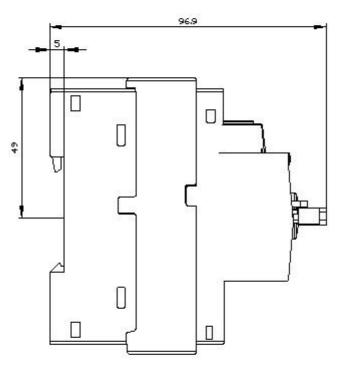
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1EA15&lang=en

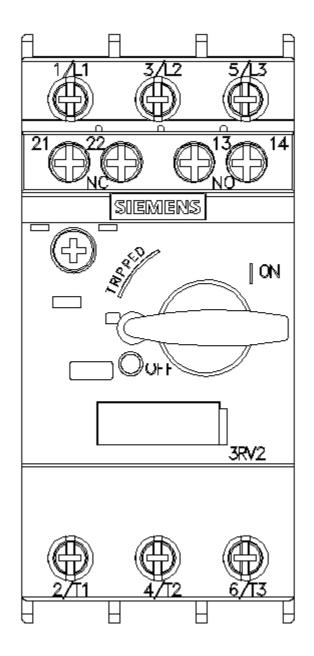
Characteristic: Tripping characteristics, I²t, Let-through current

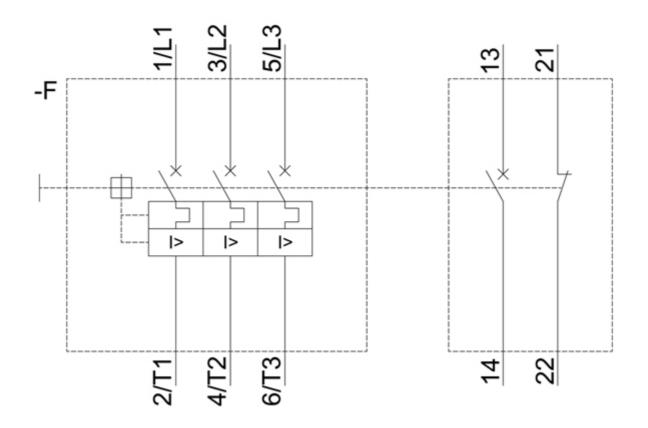
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1EA15/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1EA15&objecttype=14&gridview=view1









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