SIEMENS

3RV2011-1GA15 **Data sheet**





Circuit breaker size S00 for motor protection, CLASS 10 A-release 4.5...6.3 A N-release 82 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

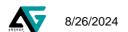


product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] 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
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
SVHC substance name	Lead - 7439-92-1
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
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	4.5 6.3 A
operating voltage	
• rated value	20 690 V
• at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz

operational current rated value * at AC-3 at 4 000 V rated value * at AC-3 at 4 000 V rated value * at AC-3 at 4 000 V rated value * at AC-3 at 4 000 V rated value - at 230 V rated value - at 230 V rated value * at AC-3 at 4 000 V rated value * at AC-3 at 5 000 V rated		
### ALG-3 at 400 V roted value	operational current rated value	6.3 A
## ARC-3e at 400 V rated value - at ARC-30 V rated value - at ARC-30 V rated value - at 230 V rated value - at 500 V rated value - at 400 V rated value - at 500 V rated value - at 600 V rated	•	
Operating prower		
* all AC-3		6.3 A
at 230 V rated value		
at 400 V rated value	• at AC-3	
at 500 V rated value at 690 V rated value at 750 V rated value at 750 V rated value at 750 V rated value at 200 V rated value at 200 V rated value 22 kW at 500 V rated value 22 kW at 500 V rated value 4 kW at 600 V rated value at 600 V rated value 4 kW at 600 V rated value at 600 V	— at 230 V rated value	1.5 kW
at 900 V rated value	— at 400 V rated value	2.2 kW
= al AC-3e — al 230 V rated value — al 400 V rated value — al 500 V rated value — al 600 V	— at 500 V rated value	3 kW
	— at 690 V rated value	4 kW
at 800 V rated value	• at AC-3e	
	— at 230 V rated value	1.5 kW
operating frequency	— at 400 V rated value	2.2 kW
operating frequency	— at 500 V rated value	3 kW
	— at 690 V rated value	4 kW
Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • at 24 V • at 126 V • at 220 V operational current of auxiliary contacts at DC-13 • at 24 V • at 126 V • at 230 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V operational current of auxiliary contacts at DC-13 • at 24 V • at 80 V ophase failure detection • ground fauth detection • product function • product function • product function • product function • at 80 V at 24 V v rated value • at AC at 80 V rated value • at AC at 90 V rated value • at AC at 90 V rated value • at 80 V rated value • a	operating frequency	
Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 at 24 V at 120 V 0.5 A 3.125 V at 125 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V at 120 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V at 60 V 0.5 A Operational current of auxiliary contacts at DC-13 at 24 V at 60 V 0.15 A Protective and monitoring functions product function ground fault detection Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value 100 kA at AC at 240 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 690 V rated value 100 kA at AC at 690 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 4 th AC at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 4 th AC at 400 V rated value 100 kA 4 th AC at 400 V rated value 100 kA	• at AC-3 maximum	15 1/h
design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 poprational current of auxiliary contacts 1 0 0.5 A 1 24 V 1 0.5 A 1 25 V 1 2 A 1 20 V 0 5.5 A 1 230 V 0 porational current of auxiliary contacts at DC-13 1 24 V 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	Auxiliary circuit	
number of NO contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 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 1 A at 24 V 1 A at 60 V 0.15 A Protective and monitoring functions Protective and monitoring functions product function No • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) at AC at 40 V rated value 100 kA at AC at 500 V rated value 100 kA at AC at 500 V rated value at AC at 500 V rated value 100 kA at AC at 400 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 4 kA at 600 V rated value 6 kA 100 kA 4 kA	design of the auxiliary switch	transverse
number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15	number of NC contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 at 24 V at 120 V at 120 V ot 1230 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 at 24 V at 60 V operational current of auxiliary contacts at DC-13 by operational current of auxiliary contacts at DC-13 cyround fault detection vesual contact function product function product function yes cyround fault detection Yes CLASS 10 design of the overload release maximum short-circuit current breaking capacity (lcu) at AC at 240 V rated value at AC at 240 V rated value 100 kA at AC at 500 V rated value at AC at 500 V rated value 100 kA at 400 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 6, 3 A yielded mechanical performance [hp] of or single-phase AC motor — at 110/120 V rated value 100 kB 1	number of NO contacts for auxiliary contacts	1
e at 24 V 2 A 2 A 3 t 25 V 3 A 3 t 25 V 3 A 4 t 25 V 3 A 4 t 25 V 3 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A	- · · · · · · · · · · · · · · · · · · ·	0
	operational current of auxiliary contacts at AC-15	
	● at 24 V	2 A
• at 230 V operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V ot 60 V ot 50 V Protective and monitoring functions product function • ground fault detection • ground fault detection • phase failure detection • phase failure detection Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at 400 V rated value • at 500 V rated value • at 600 V r	• at 120 V	0.5 A
operational current of auxiliary contacts at DC-13	• at 125 V	0.5 A
• at 24 V • at 60 V • at 60 V • at 60 V • at 60 V Protective and monitoring functions Product function • ground fault detection • ground fault detection • phase failure detection Yes CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 800 V rated value • at 600 V rated value • at 690 V rated value • at 100 kA • at 690 V rated value • at 240 V rated value • at 240 V rated value • at 240 V rated value • at 690 V rated value • at 690 V rated value • at 240 V rated value • at 690 V rated value • at 240 V rated value • at 250 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor	• at 230 V	0.5 A
• at 24 V • at 60 V • at 60 V • at 60 V • at 60 V Protective and monitoring functions Product function • ground fault detection • ground fault detection • phase failure detection Yes CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 800 V rated value • at 600 V rated value • at 690 V rated value • at 100 kA • at 690 V rated value • at 240 V rated value • at 240 V rated value • at 240 V rated value • at 690 V rated value • at 690 V rated value • at 240 V rated value • at 690 V rated value • at 240 V rated value • at 250 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor — at 200 V rated value • for 3-phase AC motor	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions product function • ground fault detection • phase failure detection Yes trip class CLASS 10 design of the overload release 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 500 V rated value • at AC at 500 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 220 V rated value	•	1 A
Protective and monitoring functions product function • ground fault detection • phase failure detection Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 600 V rated value • at 220 V rated value	• at 60 V	0.15 A
product function • ground fault detection • phase failure detection (Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 4500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 66 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 690 V rated value • at 600 V rated value • at 480 V rated value • at 240 V rated value • at 250 V rated value • 6.3 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • 1 hp — at 220/230 V rated value 1 hp — at 220/230 V rated value 1.5 hp	Protective and monitoring functions	
• ground fault detection • phase failure detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 440 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 40 V rated value • at 40 V rated value • at 40 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 240 V rated value • at 480 V rated value • at 240 V rated value • 6.3 A yielded mechanical performance [hp] • for single-phase AC motor • at 1101/20 V rated value • 6.3 hp • 6r 3-phase AC motor • at 230 V rated value • 6r 3-phase AC motor • at 200/208 V rated value • 1 hp • at 220/230 V rated value • 1 hp • 1 bp		
	•	No
trip class CLASS 10 design of the overload release thermal 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 6 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 690 V rated value 24 kA response value current of instantaneous short-circuit trip unit 22 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 6.3 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.25 hp — at 230 V rated value 0.5 hp • for 3-phase AC motor — at 200/208 V rated value 1 hp — at 220/230 V rated value 1,5 hp	-	
design of the overload release 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 6 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 6.3 A at 600 V rated value 6.3 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value for 3-phase AC motor — at 230 V rated value for 3-phase AC motor — at 200/208 V rated value 1 hp — at 220/230 V rated value 1 hp — at 220/230 V rated value 1 hp	·	
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 6 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 100 kA at 500 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 6.3 A at 600 V rated value 6.3 A iet 700 V rated value 6.3 A iet 700 V rated value 6.3 A iet 700 V rated value	<u> </u>	
 at AC at 240 V rated value at AC at 400 V rated value 100 kA at AC at 500 V rated value 6 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 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 response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value 6.3 A at 600 V rated value 6.3 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value at 230 V rated value 0.5 hp at 220/208 V rated value 1 hp at 220/230 V rated value 1.5 hp 		
■ at AC at 400 V rated value ■ at AC at 500 V rated value ■ at AC at 690 V rated value ■ at AC at 690 V rated value ■ at 240 V rated value ■ at 500 V rated value ■ at 500 V rated value ■ at 690 V rated value ■ at 800 V rated value ■ at 800 V rated value ■ at 600 V rated value ■ at 110/120 V rated value ■ ct 110/120 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 230 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value 1 bp — at 220/230 V rated value 1.5 bp		100 kA
 at AC at 500 V rated value at AC at 690 V rated value 6 kA Operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value 6.3 A e at 600 V rated value 6.3 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 0.25 hp at 230 V rated value 0.5 hp for 3-phase AC motor at 200/208 V rated value 1 hp at 200/230 V rated value 1.5 hp 		
at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value tesponse value current of instantaneous short-circuit trip unit at 4kA at 690 V rated value tesponse value current of instantaneous short-circuit trip unit at 4kA at 690 V rated value at 4k0 V rated value at 480 V rated value at 600 V rated value at 100/120 V rated value at 110/120 V rated value at 230 V rated value		
operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value IUL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 100 KA • at 600 V rated value • at 240 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 1 hp — at 220/230 V rated value 1.5 hp		
• at 240 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • 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 • at 200/208 V rated value • at 220/230 V rated value 1.5 hp		
■ at 400 V rated value ■ at 500 V rated value ■ at 690 V rated value ■ at 690 V rated value ■ at 690 V rated value response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor ■ at 480 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ for single-phase AC motor ■ at 110/120 V rated value ■ at 230 V rated value ● for 3-phase AC motor ■ at 220/208 V rated value ■ at 220/230 V rated value ■ 1.5 hp		100 kA
 at 500 V rated value at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 82 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 6.3 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 0.25 hp at 230 V rated value 5 hp for 3-phase AC motor at 200/208 V rated value 1 hp at 220/230 V rated value 1.5 hp 		
at 690 V rated value response value current of instantaneous short-circuit trip unit B2 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value of 3-phase AC motor at 230 V rated value of 3-phase AC motor at 200/208 V rated value 1 hp at 220/230 V rated value 1.5 hp		
response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 1.5 hp		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value 6.3 A ● at 600 V rated value 6.3 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.25 hp — at 230 V rated value 0.5 hp • for 3-phase AC motor - at 200/208 V rated value 1 hp — at 220/230 V rated value 1.5 hp		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 1 hp — at 220/230 V rated value 1.5 hp		02 /
 at 480 V rated value at 600 V rated value 6.3 A yielded mechanical performance [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 1 hp at 220/230 V rated value 1.5 hp 		
● at 600 V rated value yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value 0.25 hp — at 230 V rated value 0.5 hp ● for 3-phase AC motor — at 200/208 V rated value 1 hp — at 220/230 V rated value 1.5 hp		6.2.4
yielded mechanical performance [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 — at 220/230 V rated value 1 hp — at 220/230 V rated value 1.5 hp	■ at 400 v Tateu value	
 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 1 hp at 220/230 V rated value 5 hp 	- at COO \/ rated \/ rated	D 3 A
 — at 110/120 V rated value — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 1 hp — 1.5 hp 		0.071
 — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 1.5 hp 	yielded mechanical performance [hp]	
 for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value 1.5 hp 	yielded mechanical performance [hp] • for single-phase AC motor	
at 200/208 V rated value 1 hp at 220/230 V rated value 1.5 hp	yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value	0.25 hp
— at 220/230 V rated value 1.5 hp	yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	0.25 hp
	yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor	0.25 hp 0.5 hp
— at 460/480 V rated value 3 hp	yielded mechanical performance [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	0.25 hp 0.5 hp 1 hp
	yielded mechanical performance [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 — at 220/230 V rated value	0.25 hp 0.5 hp 1 hp 1.5 hp



— at 575/600 V rated value	5 hp
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	
• 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 50 A
● at 500 V	gL/gG 40 A
● at 690 V	gL/gG 35 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	97 mm
width	45 mm
depth	97 mm
required spacing	
 with side-by-side mounting at the side 	0 mm
 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	V 11111
type of electrical connection	
	ecrew type terminals
for main current circuit for auxiliany and control circuit	screw-type terminals
for auxiliary and control circuit arrangement of electrical connectors for main current arrangement of electrical connectors for main current	screw-type terminals Top and bottom
CITCUIT	
type of connectable conductor cross-sections	
type of connectable conductor cross-sections	
type of connectable conductor cross-sections • for main contacts	2v (0.75 2.5 mm²) 2v 4 mm²
type of connectable conductor cross-sections • for main contacts — solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm² 2x (0,5 1,5 mm²), 2x 4 mm²
type of connectable conductor cross-sections • for main contacts	2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12



for auxiliary contacts	
— solid or stranded	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 (20 16), 2x (18 14)
tightening torque	
 for main contacts with screw-type terminals 	0.8 1.2 N·m
 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 screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
• for main contacts	M3
 of the auxiliary and control contacts 	M3
Safety related data	
product function suitable for safety function	Yes
suitability for use	
 safety-related switching on 	No
 safety-related switching OFF 	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
 with low demand rate according to SN 31920 	40 %
 with high demand rate according to SN 31920 	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
 for proof test interval or service life according to IEC 61508 	10 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Display	
display version for switching status	Handle
Approvals Certificates	
General Product Approval	







Confirmation



<u>KC</u>

General Product Approval

For use in hazardous locations

Test Certificates

Marine / Shipping







Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>



Marine / Shipping











Miscellaneous



other Railway Environment

Confirmation



Confirmation

Special Test Certific-<u>ate</u>







Environmental Confirmations

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=3RV2011-1GA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1GA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1GA15

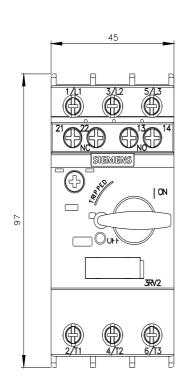
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

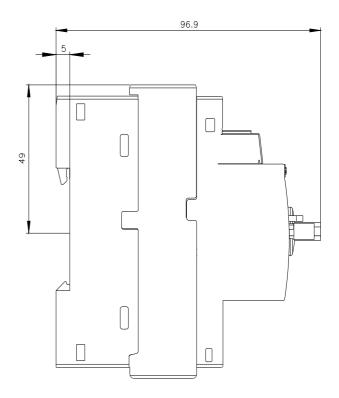
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1GA15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

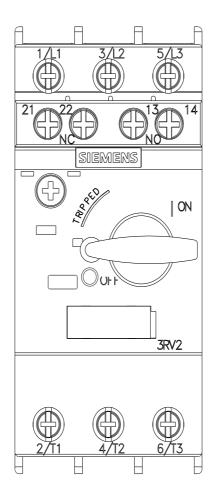
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1GA15/char

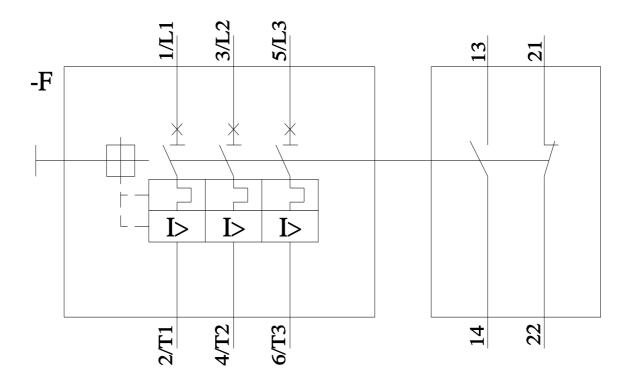
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1GA15&objecttype=14&gridview=view1











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