SIEMENS

Data sheet 3RV2011-1KA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 9...12 A N-release 163 A screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

product designation Circuit breaker design of the product For motor protection product type designation 3RV2 General technical data size of the circuit-breaker So0 size of contactor can be combined company-specific product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value shock resistance according to IEC 60068-2-27 SIRIUS SIRIUS Circuit breaker SO0 SRV2 SO0 SO0 SO0 SO0 SO0 SO0 SO0 SO0 SO0 SO	
design of the product product type designation 3RV2 General technical data size of the circuit-breaker Size of contactor can be combined company-specific product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value For motor protection 3RV2 500 \$00, \$0 Yes 9.25 W 3.1 W 690 V 6 kV	
product type designation Seneral technical data size of the circuit-breaker So0 size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 3RV2 3RV2 3RV2 3RV2 300 \$00 \$00 \$00 \$00 \$00 \$00 \$0	
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value \$000 \text{SU00} \	
size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole at AC in hot operating state per pole surge voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV	
product extension auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole 3.1 W insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 680 V	
power loss [W] for rated value of the current • at AC in hot operating state 9.25 W • at AC in hot operating state per pole 3.1 W insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV	
 at AC in hot operating state at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV 	
 at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 6 kV 	
insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV	
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	
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 according to IEC 81346-2 Q	
Substance Prohibitance (Date) 10/01/2009	
SVHC substance name Blei - 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	
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		
### A AG-3 et 4 400 V rated value operating power ### A AG-3 et 4 400 V rated value ### A AG A	operational current	40.5.4
April		
* al AC-3		12.5 A
	operating power	
	• at AC-3	
	— at 230 V rated value	3 kW
	— at 400 V rated value	5.5 kW
	— at 500 V rated value	7.5 kW
	— at 690 V rated value	7.5 kW
	• at AC-3e	
	— at 230 V rated value	3 kW
— at 690 V rated value 7.5 kW operating frequency	— at 400 V rated value	5.5 kW
operating frequency	— at 500 V rated value	7.5 kW
eat AC-3 maximum	— at 690 V rated value	7.5 kW
e at AC-3e maximum 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 NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 a 12 AV at 120 V b 12 CV c 12 CA at 120 V c 12 CV c 12 CA design of the auxiliary contacts at AC-15 at 24 V at 120 V c 12 CV d 12 CV d 12 CV d 14 CV d 15 CV d 16 CV d 16 CV d 16 CV d 17 CV d 16 CV d 17 CV d 18	operating frequency	
Auxiliary circuit Items	• 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 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts 1 2 A 1 2 A 1 120 V 0.5 A 1 2 B 1 2 A 1 2 A 1 2 A 1 3 A 1 3 A 1 3 A 1 4 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	• at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts 1	Auxiliary circuit	
number of NC contacts for auxiliary contacts 1	· · · · · · · · · · · · · · · · · · ·	transverse
number of NO contacts for auxiliary contacts 1		
number of CO contacts for auxiliary contacts 0		
at 24 V		
• at 24 V • at 120 V • at 125 V • at 125 V • at 230 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 O.15 A Protective and monitoring functions product function • ground fault detection • ground fault detection • ground fault detection • yes trip class CL-ASS 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 400 V rated value • at AC at 4500 V rated value • at AC at 5500 V rated value • at AC at 6500 V rated value • at 400 V rated value • at 5500 V rated value • at 4500 V rated value • at 6500 V rated value • at 25 A yielded mechanical performance [hp] • for single-phase AC motor • at 480 V rated value • at 600 V		
• at 120 V • at 125 V • at 125 V 0.5 A operational current of auxiliary contacts at DC-13 • at 24 V 1 A • at 60 V Protective and monitoring functions product function • ground fault detection • ground fault detection • ground relate telection • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at 400 V rated value • at 600 V rated value • at 20 V rated value • at 20 V rated value • at 200 V rated value • at 600 V rated value • at	•	2 A
• at 230 V 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 • 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 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 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 800 V rated value • at 480 V rated value • at 690 V rated value • at 200 V rated value • at 400 V rated val		
at 24 V		
• at 24 V		0.5 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 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 42 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 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 600 V rated value 42 kA • at 690 V rated value 42 kA • at 600 V rated value 44 kA response value current of instantaneous short-circuit trip unit 163 A UL/GSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 12.5 A • at 600 V rated value 12.5 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 2 hp • at 220/230 V rated value 3 hp — at 240/230 V rated value 3 hp — at 460/480 V rated value 3 hp	•	4.4
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 400 V rated value • at AC at 500 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 600 V rated value • at 690 V rated value • at 300 V rated value • at 400 V rated value • at 400 V rated value • at 300 V rated value • at 200 V rated value • at 300 V rated valu		
product function • 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 (lcu) • 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 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 240 V rated value • at 800 V rated value • at 690 V rated value • at 800 V rated value		0.15 A
• ground fault 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 100 kA • at AC at 400 V rated value 42 kA • at AC at 500 V rated value 6 kA operating short-circuit current breaking capacity (Ics) at AC • at 40 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 42 kA • at 690 V rated value 42 kA • at 690 V rated value 44 kA response value current of instantaneous short-circuit trip unit 163 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 12.5 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.5 hp — at 230 V rated value 2 hp • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 8 hp		
	•	
trip class 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 690 V rated value • at AC at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • 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 600 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 1000 V rated value • at 480 V rated value • at 2.5 A yielded mechanical performance [hp] • for single-phase AC motor • at 110/120 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 V rated value • for 3-phase AC motor • at 220/208 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 • for 3-phase AC motor • at 200/208 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 • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 600 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor • at 800 V rated value • for 3-phase AC motor		
design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 24 0 V rated value • at AC at 400 V rated value • at AC at 550 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 AC at 400 V rated value • at AC at 690 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 100 kA 10. KA 100 kA	phase failure detection	Yes
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 • at AC at 690 V rated value • at 240 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 680 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 25 A • at 600 V rated value • at 100 LJ 5 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 • at 220/230 V rated value • at 220/230 V rated value 8 hp	trip class	CLASS 10
 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 6 kA 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 500 V rated value at 690 V rated value at 2.5 A at 600 V rated value at 800 V rated value at 2.5 A at 101/120 V rated value at 110/120 V rated value at 200 V rated value at 200/208 V rated value at 600 V rated value at 200/208 V rated value at 460/480 V rated value at 600 V rated value at 200/208 V rated value 	design of the overload release	thermal
 at AC at 400 V rated value 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 at 500 V rated value at 690 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 10/120 V rated value at 110/120 V rated value at 21 D phase AC motor at 200/208 V rated value at 600 V rated value at 200/208 V rated value at 200/208 V rated value at 600 V rate	maximum short-circuit current breaking capacity (Icu)	
 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 300 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 800 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 700 V rated value at 100 V rated value at 200 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 460/480 V rated value 	 at AC at 240 V rated value 	100 kA
at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA at 400 V rated value 100 kA at 500 V rated value 42 kA at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 163 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 12.5 A at 600 V rated value 12.5 A yielded mechanical performance [hp] of or single-phase AC motor - at 110/120 V rated value 10.5 hp - at 230 V rated value 5 hp of or 3-phase AC motor - at 200/208 V rated value 12.5 A 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 8 hp	 at AC at 400 V rated value 	100 kA
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 IDL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 12.5 A • at 600 V rated value 12.5 A • at 600 V rated value 12.5 A • at 600 V rated value 12.5 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 — at 200/208 V rated value 3 hp — at 460/480 V rated value 8 hp	 at AC at 500 V rated value 	42 kA
 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 4 kA response value current of instantaneous short-circuit trip unit 163 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 at 230 V rated value for 3-phase AC motor at 230 V rated value for 3-phase AC motor at 200/208 V rated value ahp at 200/208 V rated value ahp at 460/480 V rated value ahp 	at AC at 690 V rated value	6 kA
■ 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 ILL/CSA ratings full-load current (FLA) for 3-phase AC motor ■ at 480 V rated value ■ at 600 V rated value 12.5 A ■ at 600 V rated value 12.5 A yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value 0.5 hp — at 230 V rated value 2 hp for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp	operating short-circuit current breaking capacity (Ics) at AC	
 at 500 V rated value at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 163 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 12.5 A yielded mechanical performance [hp] for single-phase AC motor at 10/120 V rated value 2 hp for 3-phase AC motor at 230 V rated value 2 hp for 3-phase AC motor at 200/208 V rated value 3 hp at 220/230 V rated value 3 hp at 460/480 V rated value 8 hp 	• at 240 V rated value	100 kA
at 690 V rated value response value current of instantaneous short-circuit trip unit 163 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 12.5 A at 600 V rated value 12.5 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 12.5 hp at 230 V rated value 2 hp for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp	• at 400 V rated value	100 kA
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 12.5 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.5 hp — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value 8 hp	• at 500 V rated value	42 kA
DL/CSA ratings		4 kA
DL/CSA ratings		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 12.5 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 — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp	<u> </u>	
 at 480 V rated value at 600 V rated value 12.5 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 — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp 		
● at 600 V rated value yielded mechanical performance [hp] ● for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 2 hp ● for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp		12.5 A
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 0.5 hp — at 230 V rated value 2 hp • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 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 at 460/480 V rated value bp at 460/480 V rated value hp at 460/480 V rated value hp 		,
 — 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 — at 460/480 V rated value 8 hp 		
 — at 230 V rated value ● for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value 8 hp 	Tot single-phase AO motor	
● for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp	at 110/120 V rated value	0.5 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 3 hp - at 460/480 V rated value 8 hp		
— at 220/230 V rated value 3 hp — at 460/480 V rated value 8 hp	— at 230 V rated value	
— at 460/480 V rated value 8 hp	— at 230 V rated value• for 3-phase AC motor	2 hp
	at 230 V rated valuefor 3-phase AC motorat 200/208 V rated value	2 hp 3 hp
— at 575/600 V rated value 10 hp	 at 230 V rated value for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value 	2 hp 3 hp 3 hp
	 — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value 	2 hp 3 hp 3 hp 8 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 63 A
● at 500 V	gL/gG 50 A
• at 690 V	gL/gG 40 A
stallation/ 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
	9 111111
• for live parts at 400 V	20
— 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	
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
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for main contacts tune of connectable conductor group sections	2x (18 14), 2x 12
type of connectable conductor cross-sections	
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	
B10 value	
● with high demand rate according to SN 31920	5 000
	5 000
with high demand rate according to SN 31920	5 000 50 %
with high demand rate according to SN 31920 proportion of dangerous failures	
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920	50 %
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920	50 %
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT]	50 % 50 %
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC	50 % 50 % 50 FIT
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508	50 % 50 % 50 FIT 10 a
with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529	50 % 50 % 50 FIT 10 a

Approvals Certificates

General Product Approval

For use in hazardous locations

Confirmation





<u>KC</u>





For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping



IECEx





Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping







P



Household and similar appliances

other

other

Railway

Environment

Confirmation



Vibration and Shock

Confirmation

Environmental Confirmations

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=3RV2011-1KA15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1KA15

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

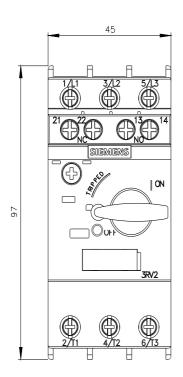
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1KA15&lang=en

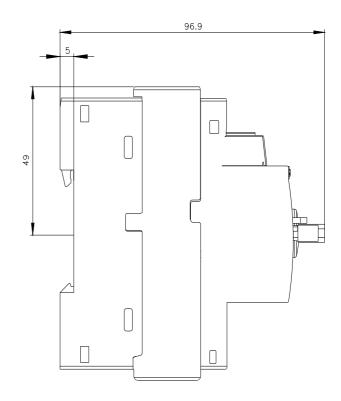
Characteristic: Tripping characteristics, I2t, Let-through current

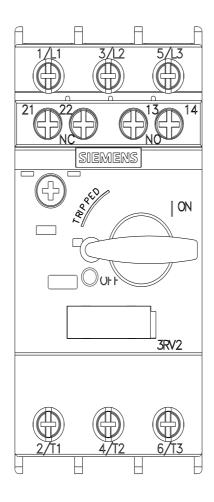
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1KA15/char

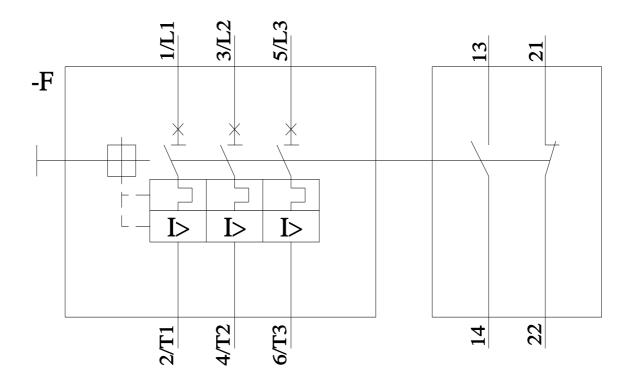
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1KA15&objecttype=14&gridview=view1









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