SIEMENS

3RV2411-4AA10 **Data sheet**





Circuit breaker size S00 for transformer protection A-release 10...16 A N-release 286 A screw terminal Standard switching capacity



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 	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
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	10 16 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

operating power		40. A
## AICA-3 at 400 V rated value	operational current	16 A
## AC-3e ## 400 V rated value 16 A operating power ## AC-30 — at 200 V rated value 7.5 kW — at 400 V rated value 7.5 kW — at 500 V rated value 7.5 kW — at 500 V rated value 7.5 kW — at 500 V rated value 11 kW ## AC-3e — at 400 V rated value 7.5 kW — at 400 V rated value 7.5 kW — at 400 V rated value 7.5 kW — at 500 V rated value 7.5 kW — at 900 V rated value 1.5 th ## AC-30 maximum 15 th ## Ac-30 maximum		40. A
Operating power		
		16 A
		ADM
■ al AC-26		
		11 KVV
opratting frequency		
operating frequency		
at AC-3 maximum at AC-3 maximum at AC-3 emiximum Auxillary circuit number of NC contacts for auxillary contacts number of CO contacts for auxillary contacts number of CO contacts for auxillary contacts number of CO contacts for auxillary contacts product function ground fault detection yes CLASS 10 design of the overload release maximum short-circuit current breaking capacity (fcu) at AC at 240 V rated value at AC at 400 V rated value at AC at 400 V rated value at AC at 400 V rated value at 500 V rated value states or vated value at 500 V rated value at 400 V rated value at 500 V rated value at 600 V rated		11 kW
a AC-3e maximum Auxiliary oricuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts product function a ground fault detection b ground fault detection c ground fault detection ves product function appear failure detection ves maximum short-circuit current breaking capacity (tcu) at AC at 240 V rated value at AC at 400 V rated value b at AC at 400 V rated value at AC at 400 V rated value at 40 at 400 V rated value at 40 at 400 V rated value at 400 V rated value at 400 V rated value at 600 V rated value at		
Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts Protectives and monitoring functions product function		
number of NC contacts for auxillary contacts 0 number of NO contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 Protective and monitoring functions product function		15 1/h
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 protective and monitoring functions product function		
number of CO contacts for auxiliary contacts Product function • ground fault detection • ground fault detection • product function • product function • ground fault detection • product function • phase failure detection • product function • phase failure detection • ground fault detection • ground fault detection • ground fault detection • ground fault detection • product function 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 40 V rated value • at 40 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 400 V rated value • at 600 V rated value • for 3-phase AC motor — at 110/120 V rated value • at 200 V rated value • for 3-phase AC motor — at 200/208 V rated value • at 400 V rated value • for 4-phase AC motor — at 400/400 V rated value • for 4-phase AC motor — at 400/400 V rated value • for 4-phase AC motor — at 400/400 V rated value • for 4-phase AC motor — at 400/400 V rated value • for 4-phase AC motor — at 400/400 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 200/200 V rated value • for 4-phase AC motor — at 400 V rated value • for 4-phase A		
Protective and monitoring functions product function • ground fault detection • 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 240 V rated value • at AC at 560 V rated value • at AC at 560 V rated value • at AC at 560 V rated value • at AC at 590 V rated value • at 40 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 200 V rated value • at 200 V rated value • at 200 V rated value • for 3-phase AC motor — at 110/120 V rated value • at 200 V rated value • at 200208 V rated value • b for 3-phase AC motor — at 200208 V rated value • at 460 V rated value • for 3-phase AC motor — at 200208 V rated value • b for 3-phase AC motor — at 200208 V rated value • for 3-phase AC motor — at 460480 V rated value • for 3-phase AC motor — at 460480 V rated value • for 3-phase AC motor — at 460480 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 460680 V rated value • for 3-phase AC motor — at 4606		
product function	· · · · · · · · · · · · · · · · · · ·	0
• ground fault detection • phase failure detection Yes trip class 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 AC at 690 V rated value • at AC at 400 V rated value • at 55 kA • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rated value • at 240 V rated value • at 220 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 220/230 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • at 460 V rated value • for 3-phase AC motor • for 5-phase AC motor • for 5-phase AC motor • for 6-phase AC motor • for 6-phase AC motor • for 6-	Protective and monitoring functions	
rip 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 590 V rated value 55 kA • at AC at 590 V rated value 4 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value 55 kA • at AC at 590 V rated value 4 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value 30 kA • at 590 V rated value 20 kA • at 400 V rated value 30 kA • at 590 V rated value 5 kA • at 690 V rated value 5 kA • at 690 V rated value 5 kA • at 690 V rated value 6 kA • at 690 V rated value 16 kA • at 690 V rated value 16 kA • at 690 V rated value 16 kA • at 600 V rated value 16 kA • at 220 V rated value 17 kp • at 230 V rated value 2 kp • for 3-phase AC motor 18 kD rated value 19 kp • at 200/208 V rated value 19 kp • at 200/208 V rated value 10 kp Short-circuit protection Yes design of the fuse link for IT network for short-circuit protection 4 the fuse link for IT network for short-circuit protection 6 the main circuit 10 kp 63 kg • at 500 V 9 gL/gG 63 A 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	product function	
trip class 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 240 V rated value * at 500 V rated value * at 600 V rated value * at 240 V rated value * for 3-phase AC motor	ground fault detection	No
design of the overload reloase maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 500 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 10/120 V rated value • at 700 V rated value • for 3-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor —	phase failure detection	Yes
maximum short-circuit current breaking capacity (Icu)	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 240 V rated value at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 800 V rated value at 600 V rated value at 200 V rated value at 460/480 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value b 7 kp at 460/480 V rated value b 7 kp at 200/208 V rated value at 200/208 V rated value b 7 kp at 200/208 V rated value at 200/208 V rated value b 7 kp at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value b 8 kp at 500 V at 500 V at 500 V at 500 V at 600 V	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 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 690 V rated value response value current of instantaneous short-circuit trip unit ILICSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 200 V rated value for 3-phase AC motor at 2200 V rated value for 3-phase AC motor at 2200 V rated value for 3-phase AC motor at 2200 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 460/480 V rated value for 3-phase AC motor at 200/2380 V rated value for 3-phase AC motor for 3-phase AC motor for 6-phase AC motor	maximum short-circuit current breaking capacity (Icu)	
at AC at 500 V rated value 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 690 V rated value 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 690 V rated value at 690 V rated value 16 A yielded mechanical performance [hp] of risingle-phase AC motor — at 110/120 V rated value af 100 V rated value in at 230 V rated value of 3-phase AC motor — at 200/208 V rated value of 3-phase AC motor — at 480/480 V rated value in at 200/208 V rated value in at 200/208 V rated value in at 200/208 V rated value in at 600 V rated value in the first in	 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 • at 400 V rated value • at 690 V rated value 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 • at 200 V rated value • 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 • 5 hp — at 460/480 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 690 V • at 690 V	 at AC at 400 V rated value 	55 kA
operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value 30 kA at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit 286 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 16 A at 600 V rated value 16 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp for 3-phase AC motor — at 200/208 V rated value 5 hp — at 200/208 V rated value 5 hp — at 200/208 V rated value 5 hp — at 460/480 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 400 V at 400 V at 500 V gL/gG 63 A gL/gG 50 A at 500 V at 600 V gL/gG 50 A at 600 V	 at AC at 500 V rated value 	10 kA
■ 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 690 V rated value ■ at 690 V rated value response value current of instantaneous short-circuit trip unit Value	at AC at 690 V rated value	4 kA
	operating short-circuit current breaking capacity (Ics) at AC	
■ at 500 V rated value ■ at 690 V rated value 2 kA response value current of instantaneous short-circuit trip unit ULICSA 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 ■ 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 ■ 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 60/480 V rated value □ to hp Short-circuit protection product function short circuit protection design of the short-circuit protection et at 240 V ■ at 400 V ■ at 400 V ■ at 400 V ■ at 400 V ■ at 4500 V ■ at 690 V ■ at 690 V	at 240 V rated value	100 kA
e at 690 V rated value response value current of instantaneous short-circuit trip unit 286 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor e at 480 V rated value 16 A yielded mechanical performance [hp] e for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp e for 3-phase AC motor — at 200/208 V rated value 2 hp e for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 480/480 V rated value 5 hp — at 480/480 V rated value 10 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit e at 240 V e at 400 V e at 400 V gL/gG 63 A e at 500 V e at 690 V	• at 400 V rated value	30 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 • 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 • for 3-phase AC motor — at 200/208 V rated value • at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V 9L/gG 60 A • at 690 V	at 500 V rated value	5 kA
DL/CSA ratings Full-load current (FLA) for 3-phase AC motor	at 690 V rated value	2 kA
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 16 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 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 420/230 V rated value — at 460/480 V rated value — b for 3-phase AC motor — at 200/208 V rated value — at 400/480 V rated value Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 400 V • at 690 V gL/gG 63 A • at 500 V • at 690 V	response value current of instantaneous short-circuit trip unit	286 A
• at 480 V rated value 16 A • at 600 V rated value 16 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 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 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A • at 690 V gL/gG 40 A	UL/CSA ratings	
• 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 — at 200/208 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — b hp — at 460/480 V rated value — at 460/480 V rated value product function short circuit protection product function short circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V 9L/gG 63 A 9L/gG 50 A 9L/gG 40 A	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 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 5 hp — at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V • at 690 V	• at 480 V rated value	16 A
for single-phase AC motor — at 110/120 V rated value	at 600 V rated value	16 A
- at 110/120 V rated value 1 hp 2 hp - at 230 V rated value 2 hp • for 3-phase AC motor - at 200/208 V rated value 3 hp 5 hp 5 hp 5 hp 6 hort-circuit protection 4 yes 6 design of the short-circuit trip 5 magnetic 6 design of the fuse link for IT network for short-circuit protection of the main circuit 6 eat 240 V 8 at 400 V 8 gL/gG 80 A 8 eat 500 V 8 gL/gG 50 A 8 gL/gG 50 A 8 gL/gG 40 A	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value 3 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V 9 L/gG 50 A gL/gG 40 A	• for single-phase AC motor	
• for 3-phase AC motor — at 200/208 V rated value	— at 110/120 V rated value	1 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V gL/gG 50 A • at 690 V	— at 230 V rated value	2 hp
- at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A • at 690 V gL/gG 40 A	• for 3-phase AC motor	
- at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A • at 690 V gL/gG 40 A	— at 200/208 V rated value	3 hp
— at 460/480 V rated value 10 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A • at 690 V gL/gG 40 A	— at 220/230 V rated value	
product function short circuit protection design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 240 V at 400 V gL/gG 80 A at 500 V at 500 V gL/gG 50 A gL/gG 40 A	— at 460/480 V rated value	
product function short circuit protection design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 240 V at 400 V gL/gG 80 A at 500 V at 500 V gL/gG 50 A gL/gG 40 A	Short-circuit protection	
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V gL/gG 50 A • at 690 V gL/gG 40 A		Yes
design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V gL/gG 80 A gL/gG 63 A gL/gG 50 A gL/gG 40 A	<u> </u>	
protection of the main circuit		
• at 400 V		
• at 500 V	• at 240 V	gL/gG 80 A
• at 690 V gL/gG 40 A	• at 400 V	gL/gG 63 A
	• at 500 V	gL/gG 50 A
Installation/ mounting/ dimensions	• at 690 V	gL/gG 40 A
installation modifility differsions	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	V IIIII
— downwards	30 mm
	30 mm
— upwards	
— 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	O Hilli
type of electrical connection	
• for main current circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
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	2x (18 14), 2x 12
tightening torque	
for main 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
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 with high demand rate according to SN 31920	50 %
with high demand rate according to 3N 31920	OO 70

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

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

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







Marine / Shipping

other







Miscellaneous

Confirmation



Railway

Environment

EcoTech

Confirmation

Special Test Certificate





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=3RV2411-4AA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2411-4AA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-4AA10

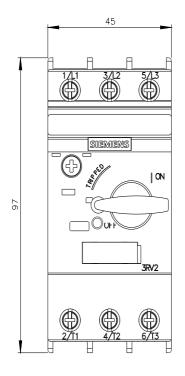
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

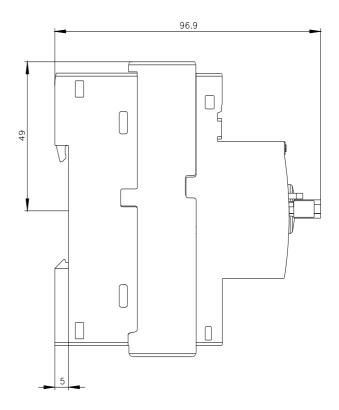
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2411-4AA10&lang=en

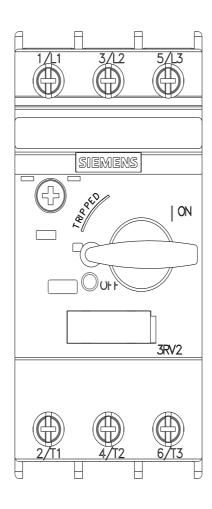
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-4AA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-4AA10&objecttype=14&gridview=view1









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