SIEMENS

Data sheet

3RV2411-1DA20

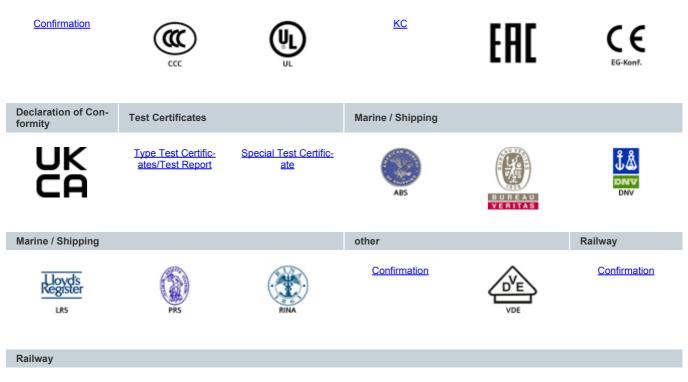


Circuit breaker size S00 for transformer protection A-release 2.2...3.2 A N release 65 A Spring-type terminal Standard switching capacity

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 	7.25 W
 at AC in hot operating state per pole 	2.4 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
 of auxiliary contacts typical 	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
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	2.2 3.2 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	3.2 A
operational current	
• at AC-3 at 400 V rated value	3.2 A
 at AC-3e at 400 V rated value 	3.2 A

	operating power	
	• at AC-3	
	— at 230 V rated value	0.6 kW
	— at 400 V rated value	1.1 kW
• alt AC3e 0.6 kW - at 230 V rated value 1.1 kW - at 500 V rated value 1.5 kW - at 500 V rated value 2.2 kW operating frequency 1.5 kW • alt AC3e maximum 15 th • alt AC3e maximum 0 number of NC contacts for auxillary contacts 0 • number of NC contacts for auxillary contacts 0 • product function Vs • product function Vs • product function Vs • product function Vs • alt AC at 240 V rated value 100 kA • alt AC at 240 V rated value 100 kA • alt AC at 240 V rated value 100 kA • alt AC at 240 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt AC at 260 V rated value 100 kA • alt 260	— at 500 V rated value	1.5 kW
- al 280 Y rated value - al 400 Y rated value - al 600 Y rated value - al 6	— at 690 V rated value	2.2 kW
	• at AC-3e	
	— at 230 V rated value	0.6 kW
	— at 400 V rated value	1.1 kW
operating frequency 15 1/h • at AC-3 maximum 0 • number of NC contacts for auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0 • ground faul detection 0 • ground faul detection No • ground faul detection Yes • at AC at 200 v rated value 100 kA • at AC at 200 v rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 400 V rated value 32 A • at 400 V rated value 32 A • at 400 V rated value 32 A • at	— at 500 V rated value	1.5 kW
• at AC-3 maximum 15 /h • at AC-3e maximum 15 /h Auxillary contacts 0 number of NC contacts for auxiliary contacts 0 number of AC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 • ground faul detection Ves • phase failure detection Ves • at AC at 00 V rated value 100 IA • at AC at 00 V rated value 100 IA • at AC at 800 V rated value 100 IA • at AC at 800 V rated value 100 IA • at AC at 800 V rated value 100 IA • at AC at 800 V rated value 100 IA • at AC at 800 V rated value 100 IA • at AC at 800 V rated value 100 IA • at 800 V rated value 2.A • at 800 V rated value 2.A	— at 690 V rated value	2.2 kW
e at AC-3e maximum 15 1/h Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 • ground fault detection Ves file CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (teu) • • at AC at 20 V rated value 100 kA • at AC at 20 V rated value 100 kA • at AC at 20 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 400 V rated value 32 A • at 800 V rated value 32 A <t< td=""><td>operating frequency</td><td></td></t<>	operating frequency	
Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of C2 contacts for auxiliary contacts 0 product function 0 e ground fault detection Yes thip class CLASS 10 design of the overload release thermal maximum should release thermal e at AC at 240 V rated value 100 kA e at AC at 600 V rated value 100 kA e at AC at 600 V rated value 100 kA e at AC at 600 V rated value 100 kA e at AC at 600 V rated value 100 kA e at AC at 600 V rated value 100 kA e at AC at 600 V rated value 100 kA e at 800 V rated value 100 kA e at 800 V rated value 100 kA e at 800 V rated value 32 A e at 800 V rated value 0.5 hp - at 200/200 V ratet value 0.5 hp	• at AC-3 maximum	15 1/h
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 product function 0 errored function 0 orgonal fault detection 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 200 V rated value • at Ac at 200 V rated value 100 kA • at Ac at 600 V rated value 100 kA • at Ac at 600 V rated value 100 kA • at Ac at 600 V rated value 100 kA • at Ac at 600 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 3.2.A • at 600 V rated value 3.2.A • at 600 V rated value 3.2.A • at 600 V rated value	• at AC-3e maximum	15 1/h
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Product function 0 error dual tablection No • ground fault detection Yes • tip cass CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (icu) 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 900 V rated value 100 kA • at AC at 900 V rated value 100 kA • at 400 V rated value 32 A vibide machanical performance [tp] • full-load current (FLA) for 3-phase AC motor - -	Auxiliary circuit	
number of CO contacts for auxiliary contacts 0 Product function • • ground fault detection Yes • phase failure detection Yes 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 350 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 690 V rated value 100 kA • at AO at 400 V rated value 100 kA • at AO at 400 V rated value 100 kA • at AO at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 32 A • at 600 V rated value 0.5 hp - at 200/200 V rated value 0.5 hp - at 200/200 V rated val	number of NC contacts for auxiliary contacts	0
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 240 V rated value • at AC at 500 V rated value • at 600 V rated value • at 750 Kor cortor - at 200/200 V rated valu	number of NO contacts for auxiliary contacts	0
product function No • 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) 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 240 V rated value 100 kA • at 260 V rated value 100 kA • at 630 V rated value 100 kA • at 630 V rated value 100 kA • at 630 V rated value 32 A • at 630 V rated value 32 A • at 400 V rated value 32 A • at 600 V rated value 32 A • at 600 V rated value 0.1 hp - at 200/200 V rated value 0.5 hp - at 200/200 V rated value 0.5 hp	number of CO contacts for auxiliary contacts	0
• ground fault detection No • phase failure detection Yes trip class CLASS 10 design of the overload rolease thermal maximum short-circuit current breaking capacity (icu) • at AC at 240 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 500 V rated value • at 240 V rated value 100 kA • at 240 V rated value • at 240 V rated value 100 kA • at 240 V rated value • at 240 V rated value 100 kA • at 240 V rated value • at 240 V rated value 100 kA • at 600 V rated value • at 600 V rated value 100 kA • at 600 V rated value • at 600 V rated value 100 kA • at 600 V rated value • at 600 V rated value 100 kA • at 600 V rated value • at 600 V rated value 100 kA • at 600 V rated value • at 600 V rated value 32 A • at 600 V rated value • at 600 V rated value 32 A • at 600 V rated value • at 600 V rated value 0.1 hp • at 600 V rated value • at 600 V rated value 0.5 hp • at 600 V rated value • at 200/280 V rated value 0.5 hp • at 575/m00 V rated value	Protective and monitoring functions	
• phase failure detection Yes crip 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 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings 32 A • at 600 V rated value 32 A • at 600 V rated value 0.1 hp - at 200/208 V rated value 0.25 hp • for single-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 450/480 V rated value	product function	
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 400 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 240 V rated value 100 kA • at 420 V rated value 100 kA • at 420 V rated value 100 kA • at 630 V rated value 10 kA • at 630 V rated value 3.2 A • at 630 V rated value 3.2 A • at 630 V rated value 3.2 A • at 630 V rated value 0.1 hp - at 200208 V rated value 0.5 hp - at 200203 V rated value 0.5 hp - at 200203 V rated value 0.5 hp - at 200203 V rated value 2 hp - at 45040 V rated value	ground fault detection	No
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 100 kA • at AC at 500 V rated value 100 kA 100 kA • at AC at 400 V rated value 100 kA 100 kA • at AC at 500 V rated value 100 kA 100 kA • at 400 V rated value 100 kA 100 kA • at 400 V rated value 100 kA 100 kA • at 600 V rated value 100 kA 100 kA • at 600 V rated value 100 kA 65 A UUCSA ratins 55 A 5 A UUCSA ratins 5 A 5 A UUCSA ratins 5 A 5 A UUCSA ratins 5 A 5 A UUSSA ratins 5 A 5 A UUSSA ratins 5 A 5 A UUSSA ratins 0 1 hp 3 2 A yielded mechanical performance (hp] • 6 for 3-phase AC motor 0 1 hp - at 200 V rated value 0.5 hp 1 A - at 200/208 V rated value 0.75 hp 2 hp - at 400/480 V rated value 2 hp 2 hp - at 400/480 V rated value 2 hp 2 hp	phase failure detection	Yes
maximum short-circuit current breaking capacity (Icu) 00 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 10 KA • at AC at 690 V rated value 10 KA • at 240 V rated value 100 KA • at 400 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 100 KA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings	trip class	CLASS 10
• 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 100 kA • at 240 V rated value 10 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 00 kA • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.1 hp - at 200 V rated value 0.5 hp • at 20020 V rated value 0.5 hp - at 20020 V rated value 2 hp - at 460480 V rated value 2 hp - at 60480 V rated value 2 hp Short-circuit protection Yes design of the fuse link fort inderwich for short-circuit protection Yes indensi circuit protection Yes indensi circuit protection yes intellool V gL/gG 25 A <td>design of the overload release</td> <td>thermal</td>	design of the overload release	thermal
• at AC at 400 V rated value 100 kA • at AC at 6500 V rated value 100 kA operating short-circuit current breaking capacity (ics) at AC 10 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 200 V rated value 100 kA • at 300 V rated value 100 kA • at 690 V rated value 100 kA • at 800 V rated value 3.2 A • at 480 V rated value 3.2 A • at 800 V rated value 0.1 hp • at 101/120 V rated value 0.25 hp • at 200/208 V rated value 0.5 hp • at 200/208 V rated value 0.76 hp - at 220/208 V rated value 2 hp • at 460480 V rated value 2 hp • at 460480 V rated value 2 hp • at 4604480 V rated value 2 hp	maximum short-circuit current breaking capacity (Icu)	
• at AC at 500 V rated value 100 kA • operating short-circuit current breaking capacity (lcs) at AC 10 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 3.2 A • at 400 V rated value 3.2 A • at 800 V rated value 3.2 A • at 800 V rated value 0.1 hp - at 100/20 V rated value 0.25 hp • for 3-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 2.5 hp - at 200/208 V rated value 2.1 hp - at 675/600 V rated value 2.1 hp - at 60/480 V rated value 2.1 hp - at 675/600 V rated value 2.1 p Short-circuit protection Yes design of the fusort circuit protection Yes	• at AC at 240 V rated value	100 kA
• at AC at 680 V rated value 10 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • 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 100 kA • at 690 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A ULCSA ratings 3.2 A full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.1 hp • at 600 V rated value 0.1 hp - at 110/120 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 400400 v rated value 2 hp Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection Yes idesign of the fuse link for IT network for short-circuit protection Yes design of the fuse link for IT network for short-circuit protection Yes idesign of the fuse link for IT network for short-circuit protection	• at AC at 400 V rated value	100 kA
operating short-circuit current breaking capacity (ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 690 V rated value 100 kA • at 690 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings	• at AC at 500 V rated value	100 kA
• at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 690 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.1 hp • of or Single-phase AC motor 0.1 hp - at 200/208 V rated value 0.25 hp • for 3-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 400480 V rated value 2 hp - at 40480 V rated value 2 hp - at 575/600 V rated value 2 hp - at 3575/600 V rated value 2 hp - at 600 V gL/gG 25 A - at 400 V gL/gG 32 A	 at AC at 690 V rated value 	10 kA
• at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A ULCSA ratings full-load current (FLA) for 3-phase AC motor 3.2 A • at 400 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 0.1 hp - at 110/120 V rated value 0.25 hp • for 3-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.75 hp - at 400/480 V rated value 2 hp - at 575/600 V rated value 2 hp - at 575/600 V rated value 2 hp - at 30/208 V rated value 2 hp - at 400/480 V rated value 2 hp - at 400/480 V rated value 2 hp - at 575/600 V rated value 2 hp - at 575/600 V rated value 2 hp - at 575/600 V rated value 2 hp - at 600/208 V gl/gG 25 A design of the short-circuit trop magneti	operating short-circuit current breaking capacity (Ics) at AC	
• at 500 V rated value 100 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings 54 full-load current (FLA) for 3-phase AC motor 3.2 A • at 480 V rated value 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A • at 10/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 2 hp - at 60/480 V rated value 2 hp - at 60/2030 V rated value 2 hp - at 575/600 V rated value 2 hp - at 575/600 V rated value 2 hp Short-circuit protection Yes design of the fuse link for IT network for short-circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 600 V gL/gG 25 A 11690 V • at 600 V gL/gG 25 A 11690 V <	 at 240 V rated value 	100 kA
• at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings 54 full-load current (FLA) for 3-phase AC motor 3.2 A • at 600 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.1 hp - at 200/208 V rated value 0.5 hp • for 3-phase AC motor - - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.75 hp - at 60/480 V rated value 2 hp - at 60/480 V rated value 2 hp - at 675/600 V rated value 2 hp gbort-circuit protection Yes design of the short-circuit protection Yes design of the fuse link for IT network for short-circuit gL/gG 25 A • at 600 V	 at 400 V rated value 	100 kA
response value current of instantaneous short-circuit trip unit 65 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 3.2 A at 600 V rated value 3.2 A e at 600 V rated value 3.2 A i at 600 V rated value 3.2 A yielded mechanical performance [hp] e for single-phase AC motor 0.1 hp - at 200/208 V rated value - at 200/208 V rated value 0.25 hp e for 3-phase AC motor 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 460/480 V rated value 2 hp 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 gL/gG 25 A • at 400 V gL/gG 32 A • at 600 V gL/gG 25 A Installation/ mounting/ dimensions any mounting position any fastening method screw and snap-on mounting onto 35	• at 500 V rated value	100 kA
ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp] • • for single-phase AC motor 0.1 hp - at 110/120 V rated value 0.25 hp • for 3-phase AC motor 0.5 hp - at 200/208 V rated value 0.5 hp - at 200/208 V rated value 0.75 hp - at 450/480 V rated value 2 hp - at 575/600 V rated value 2 hp short-circuit protection Yes design of the short-circuit protection Yes design of the slink for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 690 V gL/gG 25 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6074	 at 690 V rated value 	10 kA
full-load current (FLA) for 3-phase AC motor 3.2 A • at 480 V rated value 3.2 A • at 600 V rated value 3.2 A yleided mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 4575/600 V rated value 2 hp 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 gL/gG 25 A • at 690 V gL/gG 25 A installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6074	response value current of instantaneous short-circuit trip unit	65 A
• at 480 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp]	UL/CSA ratings	
• at 600 V rated value 3.2 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp Short-circuit protection Yes design of the short-circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 690 V gL/gG 25 A	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]• for single-phase AC motor0.1 hp- at 110/120 V rated value0.25 hp• for 3-phase AC motor0.25 hp- at 200/208 V rated value0.5 hp- at 200/208 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value2 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripgL/gG 25 A• at 400 VgL/gG 32 A• at 690 VgL/gG 25 A• at 690 VgL/gG 25 Ainstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 607	• at 480 V rated value	3.2 A
 for single-phase AC motor at 110/120 V rated value bt at 230 V rated value close by the experimental value<	• at 600 V rated value	3.2 A
- at 110/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor 0.5 hp - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 575/600 V rated value 2 hp 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 gL/gG 25 A • at 400 V gL/gG 32 A • at 690 V gL/gG 25 A i at 690 V gL/gG 25 A Installation/mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607	yielded mechanical performance [hp]	
at 230 V rated value0.25 hp• for 3-phase AC motor0.5 hp at 200/208 V rated value0.5 hp at 220/230 V rated value0.75 hp at 460/480 V rated value2 hp at 575/600 V rated value2 hp at 575/600 V rated value2 hpShort-circuit protectionYesdesign of the short-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit protectiongL/gG 25 A• at 400 VgL/gG 32 A• at 690 VgL/gG 25 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 607	 for single-phase AC motor 	
• for 3-phase AC motor - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 575/600 V rated value 2 hp Short-circuit protection Yes design of the short-circuit protection Yes design of the short-circuit rip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 32 A • at 600 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607	— at 110/120 V rated value	0.1 hp
- at 200/208 V rated value0.5 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value2 hp- at 575/600 V rated value2 hpShort-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 25 A• at 400 VgL/gG 32 A• at 690 VgL/gG 25 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 607 to D		0.25 hp
— at 575/600 V rated value 2 hp Short-circuit protection Yes 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 gL/gG 25 A • at 400 V gL/gG 32 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607		
Short-circuit protection Yes 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 gL/gG 25 A • at 400 V gL/gG 32 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method any		
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 gL/gG 25 A • at 400 V gL/gG 32 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method any		2 hp
design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 32 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions any fastening method any		
design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method	· · · · · · · · · · · · · · · · · · ·	
protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 32 A • at 690 V gL/gG 25 A Installation/ mounting/ dimensions gL/gG 25 A mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 607		magnetic
	• at 400 V	
Installation/ mounting/ dimensions mounting position fastening method any		
mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071		gL/gG 25 A
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071	Installation/ mounting/ dimensions	
	mounting position	any
hoight 106 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	height	106 mm
width 45 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	
onnections/ Terminals		
type of electrical connection		
for main current circuit	spring-loaded 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 (0,5 4 mm²)	
 finely stranded with core end processing 	2x (0.5 2.5 mm²)	
- finely stranded without core end processing	2x (0.5 2.5 mm²)	
for AWG cables for main contacts	2x (20 12)	
design of screwdriver shaft	Diameter 3 mm	
size of the screwdriver tip	3,0 x 0,5 mm	
afety related data		
B10 value		
with high demand rate according to SN 31920	5 000	
proportion of dangerous failures		
with low demand rate according to SN 31920	50 %	
with high demand rate according to SN 31920	50 %	
failure rate [FIT]		
with low demand rate according to SN 31920	50 FIT	
T1 value for proof test interval or service life according to IEC 61508	10 a	
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 version for switching status	Handle	
ertificates/ approvals		
General Product Approval		Declaration of Co formity



Vibration and Shock

Further information	
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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=3RV2411-1DA20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2411-1DA20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1DA20

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

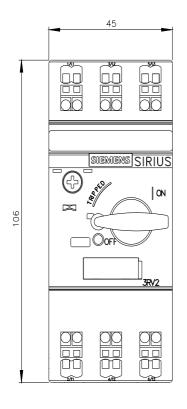
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2411-1DA20&lang=en

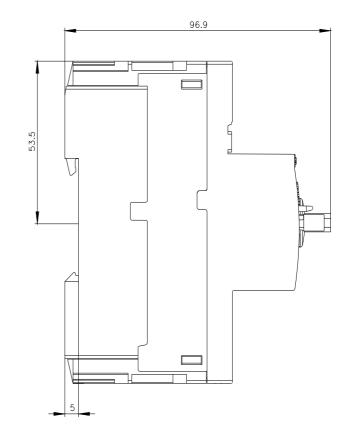
Characteristic: Tripping characteristics, I²t, Let-through current

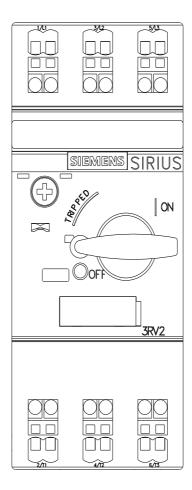
https://support.industry.siemens.com/cs/ww/en/ps/3RV2411-1DA20/char

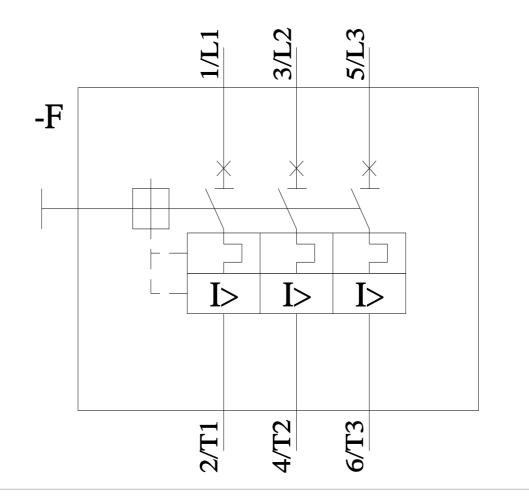
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2411-1DA20&objecttype=14&gridview=view1









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