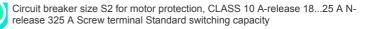
SIEMENS

Data sheet

3RV2031-4DA10







mutbolic or points for main current circuit 3 diputable current incuit 1825 A geprating voltage 6 • aff draw 20500 V • aff AC-3 rade value maximum 900 V operating recent value 25 A operating recent value 25 A operating power 41 AC-3 rade value • aff AC-3 rade value value 25 A operating power 5 5 KW • aff AC-3 rade value 1 KW - af 200 V rade value	Main circuit	
adjustable current response value current of the current- dependent overlaar dreases 18 25 A Sype of voltage for main current circuit AC operating voltage 20 690 V • at AC-3 rated value maximum 600 V • at AC-3 rated value maximum 600 V • of AC-3 rated value maximum 600 V • of AC-3 rated value maximum 600 V • operating frequency rated value 52 A operating frequency rated value 25 A operating at current 25 A operating at current 25 A operating at current 25 A operating prover 25 A • at AC-3 at 400 V rated value 25 A • at AC-3 at 400 V rated value 25 A • at AC-3 at 400 V rated value 11 KW - at 400 V rated value 12 KW - at 400 V rated value 15 KW - at 400 V rated value 15 KW - at 400 V rated value 16 KW - at 400 V rated value 16 KW - at 600 V rated value 22 KW operating frequency 0 operating at contrast for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NO contacts for a		3
Type of voltage or main current circuit AC: operating voltage 000 V • rided volue 20600 V • rided volue 20600 V • rided volue 5000 V • rided volue 5000 V • rided volue maximum 600 V • rided volue maximum 60000 Vz operating current rised volue 25 A operating current rised volue 25 A • rided volue maximum 25 A operating current rised volue 25 A • rided volue 25 A operating prover 25 A • rided volue 25 A operating prover 25 A • rided volue 25 W operating prover 55 W • rided volue 25 W opera	adjustable current response value current of the current-	
operating relayers 20600 V • at AC-Se rated value maximum 690 V • at AC-Se rated value maximum 690 V operating frequency rated value 5060 Hz operational current rated value 25 A operational current rated value 25 A operating power 25 A • at AC-Sa rated value 25 A operating power 25 A • at AC-Sa rated value 25 A operating power 25 A • at AC-Sa rated value 15 KV - at 200 V rated value 15 KV - at 200 V rated value 15 KV - at 200 V rated value 15 KV - at 600 V rated value 15 KV - at 600 V rated value 15 KV - at 600 V rated value 22 KW operating frequency 15 I/h • at AC-Sa maximum 15 I/h • at AC at ax at contast for a uxuiling contacts <td>•</td> <td>AC</td>	•	AC
i raid value 20 600 V i al AC3 fait value maximum 600 V operational current 50 60 Hz operational current 25 A operation growth value 25 A - and 200 V rated value 11 KW - and 200 V rated value 22 KW - and 200 V rated value 25 KW - and 200 V rated value 22 KW oparting frequency 5 fm - and 200 V rated value 22 KW oparting frequency 5 fm - and 200 V rated value<		
• at AC3 rated value maximum 690 V • at AC3 rated value maximum 50 60 Hz • operating frequency vated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 25 A • at AC3 at 400 V rated value 15 kW - at 600 V rated value 16 kW <		20 690 V
 a) AC 3e raded value maximum operational current a) AC 3e raded value b) AC 3e c) AC 3e raded value <lic) 3e="" ac="" li="" raded="" value<=""> <</lic)>		
operating frequency rated value 50 60 Hz operational current rated value 25 A operational current 25 A operating power 25 A - at 200 V rated value 25 A - at 400 V rated value 15 KW - at 600 V rated value 25 KW - at 600 V rated value 0 - at AC at 800 V rated value 0		
operational current relativable 25 A • at ACS at 400 V rated value 25 A • at ACS at 400 V rated value 25 A • at ACS at ACS • at 400 V rated value 15 kW - at 230 V rated value 55 kW - at 400 V rated value 11 kW - at 400 V rated value 12 kW - at ACS at ACS oparating frequency - - at ACS 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliar		
operational current 25 A • at AC-3 at 400 V rated value 25 A operating power 25 A • at AC-3 25 A operating power 25 A • at AC-3 55 KW		
• at AC-3 at 400 V rated value 25 A • at AC-3 at AC-3 • at AC-3 at AC-3 - at 230 V rated value 11 kW - at 500 V rated value 11 kW - at 600 V rated value 22 kW • at AC-3 - at 600 V rated value - at 230 V rated value 22 kW • at AC-3 - at 600 V rated value - at 200 V rated value 22 kW • at AC-3 maximum 55 kW at 600 V rated value 11 kW at 600 V rated value 22 kW • at AC-3 maximum 15 l/h • at AC-3 for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 runder of CO contacts for auxiliary contacts 0 runder of CO contacts for auxiliary contacts 0 runder of NC contacts for auxiliary contacts 0 regroup function value • protact function<	-	
• et AC-3e et 400 V rated value 25 A • et AC-3	-	25 A
operating power • at AC-3	• at AC-3e at 400 V rated value	25 A
et AC-3		
- at 400 V rated value 11 kW - at 500 V rated value 22 kW • at AC-3a - at 230 V rated value 55 kW - at 400 V rated value 15 kW - at 400 V rated value 15 kW - at 500 V rated value 22 kW operating frequency • at AC-3 maximum 15 th • at AC-3 maximum 20 th • at AC at 50 v rated value 20 th • at AC at 100 v rated value 00 th • at AC at 20 v rated value 100 kA • at AC at 600 v rated value 65 kA • at AC at 600 v rated value 100 kA • at AC at 600 v rated value 5 kA • operating short-circuit current breaking capacity (tcs) at AC • at 200 v rated value 5 kA • operating short-circuit current breaking capacity (tcs) at AC • at 200 v rated value 5 kA • operating short-circuit current breaking capacity (tcs) at AC • at 200 v rated value 5 kA • operating short-circuit current breaking capacity (tcs) at AC • at 200 v rated value 5 kA • operating short-circuit trip unit 325 A UL/CSA ratings UL/CSA ratings UL/CSA ratings UL/CSA ratings Visited value 75 h • for single-phase AC motor • at 200 V rated value 75 h • for single-phase AC motor • at 200 V rated value 75 h • for single-phase AC motor • at 200 V rated value 75 h • for single-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for 3-phase AC motor • at 200 V rated value 75 h • for	• at AC-3	
	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
• at AC-3e		15 kW
		22 kW
	● at AC-3e	
	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating frequency ist AC-3 maximum ist AC-3 maximum 15 1/h Auxiliary circuit AC/DC number of NC contacts for auxiliary contacts 0 product function 0 • 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 500 V rated value 5 kA • at AC at 500 V rated value 5 kA • at AC at 600 V rated value 5 kA • at 60 V rated value 30 kA • at 60 V rated value 30 kA • at 600 V rated value 32 A LUCSA ratings T full-load current (FLA) for 3-phase AC motor • • at 600 V rated value 25 A yleided mechanical performance [nj] • • for 3-phase AC motor - • at 200 V rated valu	— at 500 V rated value	15 kW
• at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Axillary circuit type of voltage for auxillary and control circuit AC/DC number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 reground fault detection Velocitive and monitoring functions product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermail maximum short-circuit current breaking capacity (lecu) 100 kA • at AC at 240 V rated value 100 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (lecs) at AC 100 kA • at 4C at 400 V rated value 100 kA • at 4C at 400 V rated value 5 kA operating short-circuit current breaking capacity (les) at AC 100 kA • at 400 V rated value 30 kA • at 400 V rated value 5 kA	— at 690 V rated value	22 kW
• at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h Axillary circuit type of voltage for auxillary and control circuit AC/DC number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 reground fault detection Velocitive and monitoring functions product function No • phase failure detection Yes trip class CLASS 10 design of the overload release thermail maximum short-circuit current breaking capacity (lecu) 100 kA • at AC at 240 V rated value 100 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (lecs) at AC 100 kA • at 4C at 400 V rated value 100 kA • at 4C at 400 V rated value 5 kA operating short-circuit current breaking capacity (les) at AC 100 kA • at 400 V rated value 30 kA • at 400 V rated value 5 kA	operating frequency	
Auxiliary circuit AC/DC number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 product function 0 • 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 65 kA • at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (Icu) • • at AC at 600 V rated value 5 kA operating short-circuit current breaking capacity (Icu) at AC 100 kA • at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (Icu) at AC 100 kA • at 420 V rated value 5 kA operating short-circuit current breaking capacity (Icu) at AC 100 kA • at 420 V rated value 5 kA out at 420 V rated value 5 kA • at 420 V rated value 5 kA out at 4300 V rated value 5 A		15 1/h
type of voltage for auxiliary and control circuit AC/DC number of NC contacts for auxiliary contacts 0 number of CC contacts for auxiliary contacts 0 number of CC contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function 0 • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maxinum short-circuit current breaking capacity (Icu) • • at AC at 240 V rated value 65 kA • at AC at 500 V rated value 100 kA • at AC at 650 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 240 V rated value 100 kA • at 420 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 420 V rated value 30 kA • at 4300 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 400 V rated value 25 A UL/CSA ratings full-load current (FLA) for 3-phase AC	● at AC-3e maximum	15 1/h
type of voltage for auxiliary and control circuit AC/DC number of NC contacts for auxiliary contacts 0 number of CC contacts for auxiliary contacts 0 number of CC contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function 0 • ground fault detection Yes trip class CLASS 10 design of the overload release thermal maxinum short-circuit current breaking capacity (Icu) • • at AC at 240 V rated value 65 kA • at AC at 500 V rated value 100 kA • at AC at 650 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 240 V rated value 100 kA • at 420 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 420 V rated value 30 kA • at 4300 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 400 V rated value 25 A UL/CSA ratings full-load current (FLA) for 3-phase AC	Auxiliary circuit	
number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 protect function 0 errotective and monitoring functions 0 product function 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 • at AC at 240 V rated value 65 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (Icu) • at AC at 690 V rated value • at 240 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 240 V rated value 30 kA • at 400 V rated value 30 kA • at 400 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A ULCSA ratings Tull-coad current (FLA) for 3-phase AC motor • at 600 V rated value 25 A yielded mechanical performance [hp] • for single-phase AC motor		AC/DC
number of CO contacts for auxiliary contacts 0 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 500 V rated value 65 kA • at AC at 600 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 240 V rated value 100 kA • at 240 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • • at 240 V rated value 30 kA • at 600 V rated value 3 kA • at 690 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings full-lead current (FLA) for 3-phase AC motor • at 600 V rated value 25 A yielded mechanical performance [hp] • for single-phase AC motor • at 800 V rated value 2 hp • at 300 V rated value 5 hp • at 600 V rated value	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions product function • ground fault detection • phase failure detection 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 • at AC at 500 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 AC at 900 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 400 V rated value	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) • at AC at 240 V rated value • at AC at 420 V rated value 100 kA • at AC at 500 V rated value 65 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • at AC at 690 V rated value • at AC at 690 V rated value 100 kA • at AC at 400 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • at 400 V rated value • at 400 V rated value 100 kA • at 400 V rated value 30 kA • at 600 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A UUCSA ratings UUCSA ratings full-load current (FLA) for 3-phase AC motor - • at 4600 V rated value 25 A • at 600 V rated value 25 A • at 480 V rated value	number of CO 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) • at AC at 240 V rated value • at AC at 420 V rated value 100 kA • at AC at 500 V rated value 65 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • at AC at 690 V rated value • at AC at 690 V rated value 100 kA • at AC at 400 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC • at 400 V rated value • at 400 V rated value 100 kA • at 400 V rated value 30 kA • at 600 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A UUCSA ratings UUCSA ratings full-load current (FLA) for 3-phase AC motor - • at 4600 V rated value 25 A • at 600 V rated value 25 A • at 480 V rated value	Protective and monitoring functions	
• 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 65 kA • at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 500 V rated value 30 kA • at 690 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 25 A • at 800 V rated value 25 A yielded mechanical performance [hp] - • for single-phase AC motor - - at 230 V rated value 5 hp • for 3-phase AC motor - - at 200/208 V rated value 5 hp	product function	
trip classCLASS 10design of the overload releasethermalmaximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value65 kA• at AC at 500 V rated value12 kA• at AC at 690 V rated value5 kAoperating short-circuit current breaking capacity (Ics) at AC• at 40 V rated value100 kA• at 40 V rated value100 kA• at 40 V rated value30 kA• at 690 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AULCSA ratingsULCSA ratingsfull-load current (FLA) for 3-phase AC motor25 A• at 800 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 200 V rated value2 hp- at 110/120 V rated value2 hp- at 200/208 V rated value5 hp• for 3-phase AC motor7.5 hp	 ground fault detection 	No
design of the overload release thermal maximum short-circuit current breaking capacity (Icu) 00 kA • at AC at 240 V rated value 65 kA • at AC at 500 V rated value 12 kA • at AC at 690 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 30 kA • at 690 V rated value 30 kA • at 690 V rated value 30 kA • at 690 V rated value 3 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings 100 V rated value • at 600 V rated value 25 A • at 600 V rated value 2 hp - at 110/120 V rated value 2 hp - at 230 V rated value 5 hp	phase failure detection	Yes
maximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value65 kA• at AC at 500 V rated value12 kA• at AC at 690 V rated value5 kAoperating short-circuit current breaking capacity (Ics) at AC00 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value30 kA• at 400 V rated value6 kA• at 400 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value5 hp• of rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor5 hp- at 200/Z08 V rated value5 hp	trip class	CLASS 10
• at AC at 240 V rated value100 kA• at AC at 400 V rated value65 kA• at AC at 500 V rated value12 kA• at AC at 690 V rated value5 kA• at AC at 690 V rated value5 kA• at 240 V rated value100 kA• at 240 V rated value30 kA• at 400 V rated value6 kA• at 690 V rated value3 kA• at 690 V rated value25 A UL/CSA ratings 25 A full-load current (FLA) for 3-phase AC motor 25 A• at 480 V rated value25 A• at 300 V rated value25 A• at 300 V rated value25 A• at 200 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor at 200 V rated value5 hp• for 3-phase AC motor at 200 V rated value7.5 hp	design of the overload release	thermal
• at AC at 400 V rated value65 kA• at AC at 500 V rated value12 kA• at AC at 690 V rated value5 kAoperating short-circuit current breaking capacity (Ics) at AC00 kA• at 240 V rated value100 kA• at 400 V rated value30 kA• at 400 V rated value6 kA• at 690 V rated value3 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value25 Ajelded mechanical performance [hp]6 ror single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor5 hp- at 200/208 V rated value5 hp	maximum short-circuit current breaking capacity (Icu)	
• at AC at 500 V rated value12 kA• at AC at 690 V rated value5 kAoperating short-circuit current breaking capacity (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value30 kA• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 200 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 200 V rated value5 hp• for single-phase AC motor2 hp- at 230 V rated value5 hp• for 3-phase AC motor5 hp• for 3-phase AC motor5 hp• for 3-phase AC motor7.5 hp	• at AC at 240 V rated value	100 kA
• at AC at 690 V rated value5 kAoperating short-circuit current breaking capacity (Ics) at AC100 kA• at 240 V rated value30 kA• at 400 V rated value30 kA• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value25 Ajelded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor- at 200/208 V rated value5 hp	• at AC at 400 V rated value	65 kA
operating short-circuit current breaking capacity (Ics) at AC• at 240 V rated value100 kA• at 400 V rated value30 kA• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 Ae at 600 V rated value25 Ajelded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor- at 200/208 V rated value5 hp	• at AC at 500 V rated value	12 kA
• at 240 V rated value100 kA• at 400 V rated value30 kA• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 480 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• at 10/120 V rated value2 hp- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor5 hp- at 200/208 V rated value7.5 hp	• at AC at 690 V rated value	5 kA
• at 400 V rated value30 kA• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 480 V rated value25 A• at 600 V rated value25 A• at 600 V rated value25 A• for single-phase AC motor2 h- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor5 hp- at 220 V rated value5 hp• for 3-phase AC motor5 hp• for 3-phase AC motor7.5 hp	operating short-circuit current breaking capacity (Ics) at AC	
• at 500 V rated value6 kA• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value25 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor- at 200/208 V rated value7.5 hp	• at 240 V rated value	100 kA
• at 690 V rated value3 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 600 V rated value25 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor- at 200/208 V rated value7.5 hp	• at 400 V rated value	30 kA
response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor 25 A • at 480 V rated value 25 A • at 600 V rated value 25 A yielded mechanical performance [hp] 6 for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 5 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 7.5 hp	• at 500 V rated value	6 kA
UL/CSA ratings full-load current (FLA) for 3-phase AC motor 25 A • at 480 V rated value 25 A • at 600 V rated value 25 A yielded mechanical performance [hp] 6 for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 5 hp • for 3-phase AC motor 7.5 hp	• at 690 V rated value	3 kA
full-load current (FLA) for 3-phase AC motor25 A• at 480 V rated value25 A• at 600 V rated value25 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor- at 200/208 V rated value7.5 hp		325 A
• at 480 V rated value25 A• at 600 V rated value25 Ayielded mechanical performance [hp]25 A• for single-phase AC motor at 110/120 V rated value2 hp- at 230 V rated value5 hp• for 3-phase AC motor at 200/208 V rated value7.5 hp	UL/CSA ratings	
• at 600 V rated value 25 A yielded mechanical performance [hp] - • for single-phase AC motor - - at 110/120 V rated value 2 hp - at 230 V rated value 5 hp • for 3-phase AC motor - - at 200/208 V rated value 7.5 hp	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]• for single-phase AC motor— at 110/120 V rated value2 hp— at 230 V rated value5 hp• for 3-phase AC motor— at 200/208 V rated value7.5 hp	• at 480 V rated value	25 A
 for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 5 hp for 3-phase AC motor — at 200/208 V rated value 7.5 hp 	• at 600 V rated value	25 A
	yielded mechanical performance [hp]	
 at 230 V rated value for 3-phase AC motor at 200/208 V rated value 7.5 hp 	 for single-phase AC motor 	
for 3-phase AC motor at 200/208 V rated value 7.5 hp	— at 110/120 V rated value	2 hp
— at 200/208 V rated value 7.5 hp	— at 230 V rated value	5 hp
	• for 3-phase AC motor	
at 220/230 V rated value 10 hn	— at 200/208 V rated value	7.5 hp
	— at 220/230 V rated value	10 hp

at 460/490 M rated value	20 hp
- at 460/480 V rated value	20 hp
— at 575/600 V rated value Short-circuit protection	25 hp
	Ver
product function short circuit protection	Yes
design of the short-circuit trip design of the fuse link for IT network for short-circuit	magnetic
protection of the main circuit	
• at 240 V	none required
• at 400 V	100
• at 500 V	80
• at 690 V	63
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	140 mm
width	55 mm
depth	149 mm
required spacing	
with side-by-side mounting at the side	0 mm
for grounded parts at 400 V	50 mm
— downwards	50 mm
— upwards — at the side	50 mm
 at the side for live parts at 400 V 	10 mm
• for five parts at 400 V — downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for grounded parts at 500 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 500 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
 for live parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
• for main current 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 (1 25 mm²), 1x (1 35 mm²)
- finely stranded with core end processing	2x (1 16 mm²), 1x (1 25 mm²)
 for AWG cables for main contacts 	2x (18 3), 1x (18 2)
tightening torque	
 for main contacts with screw-type terminals 	3 4.5 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	M6
Safety related data	
product function suitable for safety function	Yes

suitability for use						
-	tobing on	No				
safety-related switching on			No			
safety-related switching OFF			Yes			
service life maximum		10 a Yes	10 a			
test wear-related service life necessary						
proportion of dangerous failures						
	rate according to SN 319					
 with high demand 	rate according to SN 31	920 50 9	%			
B10 value with high de	mand rate according to	SN 31920 5 00	00			
failure rate [FIT] with lo 31920	ow demand rate accord	ling to SN 50 F	FIT			
ISO 13849						
device type according	to ISO 13849-1	3				
overdimensioning acco	ording to ISO 13849-2 r	necessary Yes				
IEC 61508						
safety device type acco	ording to IEC 61508-2	Тур	e A			
T1 value						
 for proof test inter 61508 	 for proof test interval or service life according to IEC 		a			
Electrical Safety						
protection class IP on	the front according to I	EC 60529 IP2	0			
touch protection on the			er-safe, for vertical contact	from the front		
Display						
	hing status	Har	odlo			
display version for switching status Handle						
Approvals Certificates General Product Appro						
	EG-Konf.	UK CA			CUL	
General Product Approval	For use in hazardous	locations	Test Certificates		Marine / Shipping	
<u>BIS CRS</u>	K ATEX	IECEx	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS	
Marine / Shipping					other	
BUREAU VERITAS		Lloyds Register uxs	PRS	RINA	<u>Miscellaneous</u>	
other		Railway		Environment		
<u>Confirmation</u>		<u>Confirmation</u>	Special Test Certific- ate	Siemens EcoTech	EPD	
Environment						

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=3RV2031-4DA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2031-4DA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4DA10

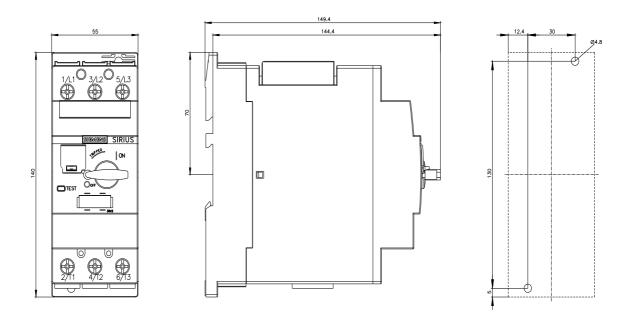
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2031-4DA10&lang=en

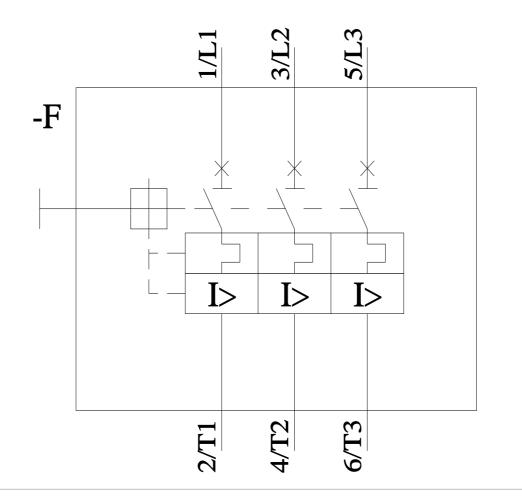
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4DA10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2031-4DA10&objecttype=14&gridview=view1





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