SIEMENS

Data sheet

3RV2321-4DC10



Circuit breaker size S0 for starter combination Rated current 25 A N-release 325 A Screw terminal Standard switching capacity

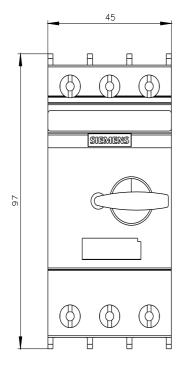
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For starter combinations
product type designation	3RV2
General technical data	
size of the circuit-breaker	SO
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	10.5 W
 at AC in hot operating state per pole 	3.5 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
Weight	0.365 kg
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 %
Environmental footprint	
Global Warming Potential [CO2 eq] total	75.078 kg
Global Warming Potential [CO2 eq] during manufacturing	2.68 kg
global warming potential [CO2 eq] during sales	0.143 kg
Global Warming Potential [CO2 eq] during operation	72.7 kg
Global Warming Potential [CO2 eq] after end of life	-0.445 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Main circuit	

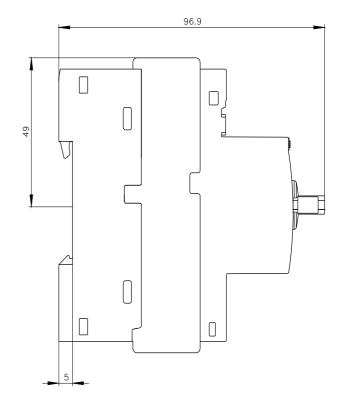
number of poles for main current circuit 3 • nated value 2 • At AC-3 rated value maintum 600 V • et AC-3 rated value maintum 600 V • operation current rated value 52. 60 tr operation current 7 • et AC-3 at 400 V rated value 25. A operation current 7 • et AC-3 at 400 V rated value 25. A operation current 7 • et AC-3 at 400 V rated value 25. A • et AC-3 at 400 V rated value 5.5 kW - at 200 V rated value 15 kW - at 200 V rated value 22 kW operating frequency 14 kC-3 e maintum • et AC-3 e maintum 15 th • at AC V rated value 0 • at AC -3 e maintum 15 th • at AC -3 e maintum 15 th • at AC -3 e maintum <th></th> <th></th>		
• ethed value2000 V• ethed value maximum900 Vopperating frequency rated value5000 Hzopperating frequency rated value25. Aopperating frequency rated value25. Aopperating frequency rated value25. A• eth.C-3 at 400 V rated value55. NV- at 220 V rated value51. NV- at 220 V rated value0operating frequency51. NV- at 220 V rated value0- at 220 V rated value0. NVoperating frequency51. NV- at 220 V rated value0. NV- at 220 V rated value100 NA- at 220 V rated value100 NA- at 2		3
• • • • • • • • • • • • • • • • • • •	operating voltage	
••••••••••••••••••••••••••••••••••••	• rated value	20 690 V
operational current value 50 60 Hz operational current 25 A operational current 25 A of AC-3 at 400 V rated value 25 A operating power 35 M - at 230 V rated value 55 M - at 230 V rated value 11 WV - at 230 V rated value 15 W - at 600 V rated value 15 W - at 600 V rated value 15 W - at 600 V rated value 10 W - at AC-3e maximum 15 Ih - at AC-3e	 at AC-3 rated value maximum 	690 V
operational current rated value 25 A operational current 25 A • all AC-3 at 400 V indet value 25 A • all AC-3 at 400 V indet value 25 A • all AC-3 at 400 V indet value 25 A • all AC-3 at 400 V indet value 25 A • all AC-3 at 400 V indet value 5.5 kW • all AC-3 at 400 V indet value 1 kW • all AC-3 at 400 V indet value 2 kW • all AC-3 at 400 V indet value 2 kW • all AC-3 maximum 5.5 kW • all AC-3 maximum 5 kW • all AC-3 maximum 15 kW • all AC-3 maximum 16 kM product function 0 maximum short-1curd turnet breaking capacity (t	 at AC-3e rated value maximum 	690 V
operational current 25 A • at AC-36 at 400 V rated value 25 A • at AC-36 - • - at 230 V rated value 55 kW at 230 V rated value 11 kW at 200 V rated value 15 kW at 200 V rated value 15 kW at 200 V rated value 25 kW	operating frequency rated value	50 60 Hz
if AC-3 at 400 V rated value if AC-3	operational current rated value	25 A
- at AC-3e at 400 V rated value 25 A operating prover - at 230 V rated value 55 kW - at 230 V rated value 15 kW - at 600 V rated value 15 kW - at 620 V rated value 15 kW - at 620 V rated value 55 kW - at 620 V rated value 15 kW - at 620 V rated value 0 - at 620 V rated value 100 kA <	operational current	
operating power • at AC3 · at 4230 V inted value · at 400 V inted value · at 400 V inted value · at 500 V inted value · at 600 V inted value · at	 at AC-3 at 400 V rated value 	25 A
et al. C3	 at AC-3e at 400 V rated value 	25 A
- al 230 V rited value 5.5 kW - al 400 V rited value 11 kW - al 600 V rited value 22 kW - al 600 V rited value 22 kW - al 400 V rited value 5.5 kW - al 400 V rited value 11 kW - al 600 V rited value 15 kW - al 600 V rited value 10 kK - al 600 V rited value 50 kK - al 600 V rited value 20 kK - al 600 V rited value 25 kW - al	operating power	
- at 400 Y rated value 11 kW - at 500 Y rated value 22 kW • at AC3e - at 200 Y trated value 55 kW - at 400 Y rated value 11 kW - at 500 Y rated value 15 kW - at 600 Y rated value 22 kW • at AC3e maximum 15 1 fn • at AC4e maximum 15 1 fn • at AC4 maximum 15 1 fn	• at AC-3	
	— at 230 V rated value	5.5 kW
- at 690 V rated value 22 kW • at AC3a - at 400 V rated value 55 kW - at 800 V rated value 11 kW - at 800 V rated value 22 kW operating frequency • at AC3 maximum 15 1/m • at AC3 for auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0 • number of AC3 contacts for auxiliary contacts 0 • and the detection No • phase failure detection No • phase failure detection No • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 55 kA • at AC at 590 V rated value 25 kA • at AC at 590 V rated value 25 kA • at AC at 590 V rated value 25 kA • at AC at 590 V rated value 25 kA • at AC at 590 V rated value 25 kA • at AC at 690 V rated value 25 kA • at AC at 690 V rated value 25 kA • at AC at 400 V rated value 25 kA • at AC at 400 V rated value 25 kA • at 300 V rated value 37 b p • for shipse AC motor • at 480 V rated value 55 kB • for shipse AC motor • at 480 V rated value 55 kB • for Shipse AC motor • at 480 V rated value 55 kB • for Shipse	— at 400 V rated value	11 kW
• et AC-3e - - at 230 V rated value 55 kW - at 800 V rated value 11 kW - at 800 V rated value 15 kW - at 800 V rated value 22 kW operating frequency - • at AC-3 maximum 15 1/h • at AC-3 maximum 0 • 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 • • ground fault detection No • phase failure detection No • at AC at 800 V rated value 55 kA • at AC at 800 V rated value 10 kA • at AC at 800 V rated value 4 kA • oparating short-circuit auront breaking capacity (Icc) 4 kA • at AC at 800 V rated value 25 kA • at 400 V rated value 25 kA • at 400 V rated value 25 kA • at 400 V rated value 25 kA • at 800 V rated value 25 kA • at 800 V rated value 25 kA • at 800 V rated value 25 A VUCCSA rata	— at 500 V rated value	15 kW
- at 230 V rated value 55 kW - at 600 V rated value 11 kW - at 690 V rated value 22 kW operating frequency • at AC-30 maximum 15 1/h • at AC-30 maximum 15 1/h • at AC-30 maximum 15 1/h • at AC-30 maximum 0 15 1/h • at AC-30 maximum 0 • for Contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Protective and monitoring functions product function v • ground fault detection No • ground fault detection No • ground fault detection No • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 55 kA • at AC at 240 V rated value 55 kA • at AC at 690 V rated value 25 kA • at AC at 240 V rated value 25 kA • at 400 V rated value 25 kA • at 600 V rated value 3 hp • for singhase AC motor • at 400/40 V rated value 5 hp • for singhase AC motor • at 400/40 V rated value 5 hp	— at 690 V rated value	22 kW
- at 400 V rated value 11 kW - at 800 V rated value 25 kA at AC-3 maximum 15 1/h at AC-3 maximum 15 1/h at AC-3 maximum 15 1/h at AC-3 maximum 15 1/h Auxiliary cheati number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Protective and monitoring functions product function No o phase failure detection No maximum short-circuit current breaking capacity (icu) at AC at 240 V rated value 100 kA at AC at 240 V rated value 55 kA at AC at 400 V rated value 25 kA at AC at 690 V rated value 25 kA at 600 V rated value 25 kA at 800 V rated value 56 kA at 800 V rated value 25 kA at 800 V rated value 56 kB at 800 V rated value	• at AC-3e	
	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating frequency 4 AC-3 maximum • at AC-3 maximum 15 1/h Auxiliary circuit 15 1/h number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 • ground fault detection No • ground fault detection No • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 580 V rated value 10 kA • at AC at 580 V rated value 10 kA • at AC at 580 V rated value 10 kA • at AC at 890 V rated value 10 kA • at AC at 90 V rated value 10 kA • at AC at 90 V rated value 10 kA • at 400 V rated value 25 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA response value current (FLA) for 3-phase AC motor 25 A • at 600 V rated value 25 A vibildom mochanical porformance (hp) • • for single-p	— at 500 V rated value	15 kW
• at AC-3 maximum 15 1 h • at AC-3e maximum 15 1 h Auxiliary circuit 11 h number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Product function 0 • ground fault detection No • phase failure detection No • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 55 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 25 kA • at 240 V rated value 25 kA • at 600 V rated value 25 kA • at 600 V rated value 25 kA • at 600 V rated value 25 A • at 600 V rated value	— at 690 V rated value	22 kW
• at AC-3e maximum 15 1h Auxiliary contact 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 e ground fault detection No • phase failure detection No • 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 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 AC at 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 25 kA • at 600 V rated value 25 kA • at 600 V rated value 25 A ULCSA ratings 25 A ULCSA ratings 25 A • at 600 V rated value 25 A • at 600	operating frequency	
Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 runder of CO contacts for auxiliary contacts 0 protective and monitoring functions 0 product function 0 • ground fault detection No • phase failure detection No • 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 400 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 400 V rated value 25 kA • at 240 V rated value 25 kA • at 630 V rated value 25 kA • at 630 V rated value 25 kA • at 630 V rated value 25 A • at 480 V rated value 25 A • at 630 V rated value 25 A		15 1/h
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function No • gname failure detection No • and AC at 240 V rated value 10 kA • at AC at 400 V rated value 55 kA • at AC at 500 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 900 V rated value 10 kA • at AC at 900 V rated value 10 kA • at AC at 900 V rated value 10 kA • at 40 V rated value 10 kA • at 400 V rated value 10 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA response value current of Instantaneous short-circuit trip unit 325 A ULVCSA ratings 100 kA • at 600 V rated value 2 5 A • at 600 V rated value 2 5 A • at 600 V rated value 2 5 A • at 600 V rated value 2 5 A • at 600		15 1/h
number of NO contacts for auxiliary contacts 0 productive and monitoring functions 0 optast function No • phase failure detection No maximum short-circuit current breaking capacity (lcu) 0 • at AC at 240 V rated value 55 kA • at AC at 500 V rated value 100 kA • at AC at 500 V rated value 10 kA • at AC at 600 V rated value 25 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA • at 600 V rated value 2 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 600 V rated value 25 A vieled dechanical performance [hp] 6 or single-phase AC motor • at 400 V rated value 2 hp - at 200208 V rated value 2 hp - at 200208 V rated value	Auxiliary circuit	
number of CO contacts for auxiliary contacts 0 Product function • erround fault detection No • product function No • 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 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 100 kA • at AC at 600 V rated value 10 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 25 kA • at 600 V rated value 25 kA • at 600 V rated value 25 A ULCSA ratings ULCSA ratings full-load current (FLA) for 3-phase AC motor • • at 800 V rated value 25 A • at 600 V rated value 25 A • at 600 V rated value 25 A • at 10/120 V rated value 25 A • at 200 V rated value 25 A • at 200 V rated value 3 hp • or single-phase AC motor • - at 200/200 V rated value 5 hp - at 200/200 V rated value 5 hp <	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions product function • ground fault detection • has failure detection No • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 690 V rated value • at 240 V rated value • at 240 V rated value • at 200 V rated value • at 200 V rated value • at 800 V rated value • at 600 V rated value 25 A full-load current (FLA) for 3-phase AC motor • at 600 V rated value 25 A yielded mechanical performance [tp] • for 3-phase AC motor - at 200/20 V rated value - at 460/430 V rated value - at 200/20 V rated valu	number of NO contacts for auxiliary contacts	0
product function No • provid fault detection No • phase failure detection No maximum Short-circuit current breaking capacity (Icu) • at AC at 240 V rated value 100 kA • at AC at 400 V rated value 55 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 4 kA operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 400 V rated value 5 kA • at 600 V rated value 2 kA • at 600 V rated value 2 kA 25 A • at 400 V rated value 2 kA 25 A • at 600 V rated value 2 kA 25 A • at 400 V rated value 2 b A 25 A • at 400 V rated value 2 b A 25 A • at 400 V rated value 2 b A 25 A • at 600 V rated value 2 b A 25 A • at 600 V rated value 2 b A 2 b A • at 400 V rated value 2 b A 3 h P • of a sphase AC motor - - - at 200/208 V rated value 5 h P - at 200/208 V rated value 5 h P	number of CO contacts for auxiliary contacts	0
• ground fault detectionNo• phase failure detectionNomaximum short-circuit current breaking capacity (Icu)100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value55 kA• at AC at 600 V rated value10 kA• at AC at 600 V rated value10 kA• at AC at 600 V rated value10 kA• at AC at 600 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value25 kA• at 240 V rated value25 kA• at 600 V rated value25 kA• at 600 V rated value25 AULCSA ratings25 AULCSA ratings25 Avalue25 Avalue25 Avalue25 Avalue25 Avalue25 Avalue25 Avalue25 Avalue3 hp• at 200 V rated value3 hp• at 200 V rated value5 hp- at 110/120 V rated value3 hp• for 3-phase AC motor at 200/200 V rated value5 hp- at 400480 V rated value5 hp- at 200/200 V rated value5 hp- at 400480 V rated value5 hp<	Protective and monitoring functions	
• phase failure detectionNomaximum short-circuit current breaking capacity (Icu)·• at AC at 240 V rated value100 kA• at AC at 400 V rated value55 kA• at AC at 500 V rated value4 kA• operating short-circuit current breaking capacity (Ics) at AC4 kA• at 240 V rated value100 kA• at 240 V rated value25 kA• at 240 V rated value25 kA• at 240 V rated value26 kA• at 600 V rated value25 kA• at 600 V rated value26 kA• at 600 V rated value26 A• at 600 V rated value25 A• at 600 V rated value3 hp• at 600 V rated value3 hp• at 600 V rated value3 hp• for single-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 460/480 V rated value5 hp <td>product function</td> <td></td>	product function	
maximum short-circuit current breaking capacity (icu)100 kA• at AC at 240 V rated value100 kA• at AC at 400 V rated value55 kA• at AC at 500 V rated value10 kA• at AC at 690 V rated value4 kAoperating short-circuit current breaking capacity (ics) at AC4 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 400 V rated value25 kA• at 400 V rated value25 kA• at 400 V rated value26 kA• at 690 V rated value2 kAresponse value current of instantaneous short-circuit trip unit325 AUL/CSA ratingsUL/CSA ratingsfull-load current (FLA) for 3-phase AC motor4 460 V rated value• at 480 V rated value25 Avielded mechanical performance [hp]5 hp• for single-phase AC motor at 101/120 V rated value2 hp- at 200/208 V rated value3 hp• for 3-phase AC motor at 220/208 V rated value5 hp- at 220/208 V rated value5 hp- at 220/208 V rated value15 hp- at 400/480 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the for B-therwork for short-circuit protectionYes	 ground fault detection 	No
• at AC at 240 V rated value 100 kA • at AC at 400 V rated value 55 kA • at AC at 600 V rated value 10 kA • at AC at 600 V rated value 4 kA operating short-circuit current breaking capacity (Ics) at AC 4 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA • at 600 V rated value 2 kA • at 600 V rated value 2 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings	phase failure detection	No
• at AC at 400 V rated value 55 kA • at AC at 500 V rated value 10 kA • at AC at 609 V rated value 4 kA operating short-circuit current breaking capacity (Ics) at AC 4 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 400 V rated value 25 kA • at 600 V rated value 2 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings UL/CSA ratings full-load current (FLA) for 3-phase AC motor 25 A • at 600 V rated value 25 A U/CSA ratings 25 A yielded mechanical performance [hp] 6 for single-phase AC motor - at 100/120 V rated value 2 hp - at 200/208 V rated value 2 hp - at 200/208 V rated value 5 hp - at 460/480 V rated value 5 hp - at 460/480 V rated value 5 hp - 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	maximum short-circuit current breaking capacity (lcu)	
• at AC at 500 V rated value10 kA• at AC at 690 V rated value4 kAoperating short-circuit current breaking capacity (lcs) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value25 kA• at 600 V rated value2 kA• at 600 V rated value25 AU/CSA ratings25 AU/CSA ratings25 Avalue current of instantaneous short-circuit trip unit325 AU/CSA ratings25 Avalue durent (FLA) for 3-phase AC motor25 A• at 600 V rated value25 A• at 600 V rated value25 Avalue durent of insignle-phase AC motor2 hp- at 110/120 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripmagnetic	at AC at 240 V rated value	
• at AC at 690 V rated value 4 kA operating short-circuit current breaking capacity (lcs) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 600 V rated value 5 kA • at 600 V rated value 2 kA response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 800 V rated value 25 A • at 800 V rated value 25 A yielded mechanical performance [hp] • for single-phase AC motor • at 200/208 V rated value 2 hp • at 200/208 V rated value 3 hp • for 3-phase AC motor - at 220/230 V rated value • at 20/208 V rated value 5 hp • at 20/208 V rated value 5 hp • at 800/80 V rated value 5 hp • at 20/208 V rated value 5 hp • at 20/208 V rated value 5 hp • at 20/208 V rated value 5 hp • at 800/480 V rated value 15 hp		
operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 25 kA • at 500 V rated value 5 kA • at 690 V rated value 2 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] 25 A • for single-phase AC motor 2 hp - at 110/120 V rated value 2 hp - at 200/208 V rated value 3 hp • of 3-phase AC motor - at 200/208 V rated value - 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 15 hp Short-circuit protection Yes design of the short-circuit trip magnetic	• at AC at 500 V rated value	10 kA
• at 240 V rated value100 kA• at 400 V rated value25 kA• at 500 V rated value5 kA• at 690 V rated value2 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 200/208 V rated value3 hp• for 3-phase AC motor- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value15 hp- at 400/480 V rated value15 hpsproduct function short circuit protectionYesmagneticdesign of the short-circuit protectionYesdesign of the fuse link for IT network for short-circuitmagnetic		4 kA
• at 400 V rated value25 kA• at 500 V rated value5 kA• at 690 V rated value2 kAresponse value current of instantaneous short-circuit trip unit325 AUU/CSA ratingsfull-load current (FLA) for 3-phase AC motor• at 480 V rated value25 A• at 480 V rated value25 Ayielded mechanical performance [hp]• for single-phase AC motor- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 420/480 V rated value5 hp- at 200/208 V rated value7.5 hp- at 200/208 V rated value16 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the slink for IT network for short-circuit protection of the main circuit	operating short-circuit current breaking capacity (Ics) at AC	
• at 500 V rated value5 kA• at 690 V rated value2 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 value3 hp• for 3-phase AC motor- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value15 hp- at 460/480 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripmagnetic	• at 240 V rated value	100 kA
• at 690 V rated value2 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 value3 hp• for 3-phase AC motor- at 200/208 V rated value5 hp- at 200/208 V rated value5 hp- at 200/208 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripmagnetic		
response value current of instantaneous short-circuit trip unit 325 A UL/CSA ratings 1 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 3 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 200/208 V rated value 5 hp - at 200/208 V rated value 15 hp Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection Yes	• at 500 V rated value	5 kA
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • 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 3 hp • for 3-phase AC motor - - at 230 V rated value 5 hp - at 200/208 V rated value 5 hp - at 220/230 V rated value 15 hp Short-circuit protection Yes design of the short-circuit trip magnetic		
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] • for single-phase AC motor - at 110/120 V rated value 2 hp - at 230 V rated value 3 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 5 hp - at 220/230 V rated value 15 hp Short-circuit protection Yes design of the short-circuit trip magnetic	response value aurrent of instantaneous short size of this well	
• at 480 V rated value25 A• at 600 V rated value25 Ayielded mechanical performance [hp]5 A• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuit1	· · ·	325 A
• at 600 V rated value25 Ayielded mechanical performance [hp]25 A• for single-phase AC motor- at 110/120 V rated value- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor- at 200/208 V rated value- at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 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 circuitYes	· · ·	325 A
yielded mechanical performance [hp]• for single-phase AC motor2 hp- at 110/120 V rated value2 hp- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hpShort-circuit protectionProduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitYes	UL/CSA ratings	325 A
 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 	UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
at 110/120 V rated value2 hp at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp at 220/230 V rated value7.5 hp at 460/480 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticmagnetic	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	25 A
- at 230 V rated value3 hp• for 3-phase AC motor at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hpShort-circuit protectionYesdesign of the short-circuit tripdesign of the fuse link for IT network for short-circuitprotection of the main circuitYes	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	25 A
• for 3-phase AC motor - - at 200/208 V rated value 5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 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 Yes	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp]	25 A
- at 200/208 V rated value5 hp- at 220/230 V rated value7.5 hp- at 460/480 V rated value15 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitYes	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor	25 A 25 A
	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	25 A 25 A 2 hp
— at 460/480 V rated value 15 hp Short-circuit protection Ves design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit Imagnetic	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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	25 A 25 A 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 magnetic	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor	25 A 25 A 2 hp 3 hp
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 magnetic	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value	25 A 25 A 2 hp 3 hp 5 hp
design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp
design of the fuse link for IT network for short-circuit protection of the main circuit	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp
protection of the main circuit	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp 15 hp
	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp 15 hp
• at 400 V	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value Short-circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp 15 hp
3-3	UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • 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 • for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value 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	25 A 25 A 2 hp 3 hp 5 hp 7.5 hp 15 hp Yes magnetic

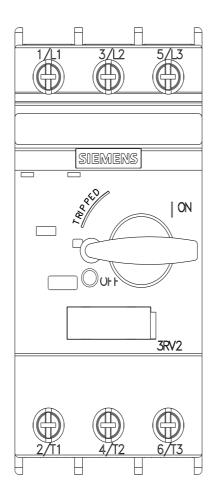
• at 500 V	gL/gG 50 A			
• at 690 V	gL/gG 50 A			
nstallation/ mounting/ dimensions				
mounting position	any			
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
height	97 mm			
width	45 mm			
depth	97 mm			
required spacing				
with side-by-side mounting at the side	0 mm			
• for grounded parts at 400 V				
— downwards	30 mm			
— upwards	30 mm			
— at the side	9 mm			
• for live parts at 400 V				
— downwards	30 mm			
— upwards	30 mm			
— at the side	9 mm			
 for grounded parts at 500 V 				
downwards	30 mm			
	30 mm			
— upwards — at the side	9 mm			
	5 mm			
 for live parts at 500 V — downwards 	30 mm			
	30 mm 30 mm			
— upwards				
— at the side	9 mm			
• for grounded parts at 690 V	50			
— downwards	50 mm			
— upwards	50 mm			
— backwards	0 mm			
— at the side	30 mm			
— forwards	0 mm			
 for live parts at 690 V 				
— downwards	50 mm			
— upwards	50 mm			
— backwards	0 mm			
— at the side	30 mm			
— forwards	0 mm			
Connections/ Terminals				
type of electrical connection				
 for main current circuit 	screw-type terminals			
arrangement of electrical connectors for main current	Top and bottom			
circuit				
type of connectable conductor cross-sections				
for main contacts				
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)			
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²			
for AWG cables for main contacts	2x (16 12), 2x (14 8)			
tightening torque				
 for main contacts with screw-type terminals 	2 2.5 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	M4			
Safety related data				
product function suitable for safety function	Yes			
suitability for use				
	Na			
-	No			
 safety-related switching on safety-related switching OFF 	Yes			
 safety-related switching on 				

nuonoution of down	ue feilures					
proportion of dangero		20 40.0	4			
	rate according to SN 319		40 % 50 %			
	with high demand rate according to SN 31920					
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN			00			
31920	ow demand rate accord	ng to SN 50 F	-11			
ISO 13849						
	device type according to ISO 13849-1					
	ording to ISO 13849-2 n	ecessary Yes				
IEC 61508						
	cording to IEC 61508-2	Тур	Туре А			
T1 value ● for proof test inte 61508	rval or service life accordi	ng to IEC 10 a	10 a			
Electrical Safety						
protection class IP on	the front according to I	EC 60529 IP20)			
touch protection on th	e front according to IEC	60529 fing	er-safe, for vertical contact	from the front		
Display	-					
display version for swite	ching status	Han	dle			
Approvals Certificates	J					
General Product App	roval					
General Product Appl	oval					
		עוו	Confirmation	\sim	KC	
(\mathbf{m})	(F			(Uı)		
CCC	EG-Konf.			UL		
General Product Ap-	Test Certificates		Marine / Shipping			
proval						
	Special Test Certific-	Type Test Certific-	AND DO	AN TEA		
103	ate	ates/Test Report	and the second		TV	
гпі			a strange		DNV	
			ABS	BUREAU	DNV	
				VERITAS		
Marine / Shipping			other			
	~	~			•	
Llovd's	(A)		<u>Miscellaneous</u>	Confirmation		
Register		(12)			ζ <u>d'</u> Εγ	
LRS	PRS	RINA			VDE	
Railway		Environment				
-						
Special Test Certific-	Confirmation			Environmental Con-		
ate			Siemens	firmations		
		FPD	EcoTech			
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://mail.industry.siemens.com/mail/en/en/Catalog/product?mlfb=3RV2321-4DC10						
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-4DC10						
	nuals, Certificates, Char			<u>×</u>		
https://support.industry.	siemens.com/cs/ww/en/ps	3RV2321-4DC10				
			s, device circuit diagram	s, EPLAN macros,)		
	siemens.com/bilddb/cax_c		4DCTU⟨=en			
	Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4DC10/char					

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-4DC10&objecttype=14&gridview=view1



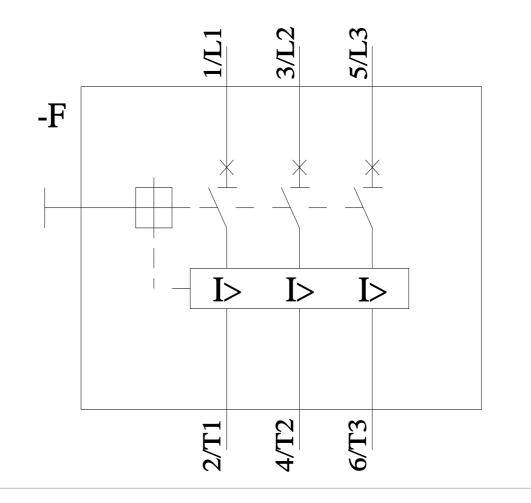




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