SIEMENS

Data sheet

3RV2311-1EC20



Circuit breaker size S00 for starter combination Rated current 4 A N release 52 A Spring-type 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	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
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	4 A
operational current	
• at AC-3 at 400 V rated value	4 A
• at AC-3e at 400 V rated value	4 A
operating power	
• at AC-3	

- al 420 V rated value 0 AW - al 500 V rated value 2 2 AW - at 500 V rated value 2 2 AW - at 500 V rated value 2 AW - at 420 V rated value 1 5 KW - at 420 V rated value 1 5 KW - at 420 V rated value 2 AW - at 400 V rated value 2 AW - at 400 V rated value 2 AW - at 400 V rated value 3 AW - at 400 V rated value 4 A - at 400 V rated value 4 A - at 400 V rated value 5 In - at 400 V		
	— at 230 V rated value	0.8 kW
→ al 80V Yinde Value 3.60V → al 420 Yinde Value 0.8 kV → al 400 Yinde Value 3.60V → al 600 Vinde Value 0 → al 600 Vinde Value 00 kA → al 600 Vinde Value 100 kA → al 600 Vinde Value 4A → al 600 Vinde Value 13b p → al 600 Vinde Value	— at 400 V rated value	1.5 kW
• al AAC.3e 0 • al 200 Y rade value 0.8 W • - al 200 V rade value 2.2 kW • - al 500 V rade value 2.2 kW • - al 600 V rade value 3.8 W opparting frequency 1 • - al 600 V rade value 3.8 W opparting frequency 1 • - al 600 V rade value 0 • - al 600 V rade value 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - number of MC contacts for auxiliary contacts 0 - al 400 V inter value 100 kA - al 400 V inter value 0.13 ftp - al 400 V inter value	— at 500 V rated value	2.2 kW
 	— at 690 V rated value	3 kW
	• at AC-3e	
	— at 230 V rated value	0.8 kW
	— at 400 V rated value	1.5 kW
	— at 500 V rated value	2.2 kW
operating frequency 15 1h • at AC3 maximum 0 number of No contacts for auxillary contacts 0 number of No contacts for auxillary contacts 0 • ground fault detection No • and Cat 3t0 V rinted value 100 kA • at AC at 300 V rinted value 100 kA • at AC at 300 V rinted value 100 kA • at AC at 300 V rinted value 100 kA • at AC at 300 V rinted value 100 kA • at AC at 300 V rinted value 100 kA • at AO at 300 V rinted value 100 kA • at 300 V rated value 4A • at 300 V rated value 4A • at 300 V rated value 4A • at 300 V rated value 52 A UPCSA rinter<		3 kW
• at AC3 maximum 15 th Auxiliary cricot 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 representation of the contacts for auxiliary contacts 0 product function No • spinse full dut detection No • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • alt AC3 at 240 Virated value 100 kA • at 300 Virated value 100 kA • at 300 Virated value 100 kA • at 300 Virated value 4 A • at 300 Virated value 4 A • at 300 Virated value 4 A • at 300 Virated value 0.3 hp • full detection performance (hp) • or single phase AC motor • at 300 Virated value 0.33 hp • for 3-phase AC motor 0.3 hp • at 300 Virated value 0.33 hp • for 3-phase AC motor 0.3 hp <td></td> <td></td>		
Auxiliary circuit 15 Inh Auxiliary circuit 0 number of NG contacts for auxiliary contacts 0 number of NG contacts for auxiliary contacts 0 regional fault detection No • ground fault detection No • and AC al 240 Virated value 100 VA • at AC al 4300 Virated value 100 VA • at AC al 430 Virated value 100 VA • at AC al 430 Virated value 100 VA • at AC al 430 Virated value 100 VA • at AC al 430 Virated value 100 VA • at AC at 430 Virated value 100 VA • at AC at 430 Virated value 100 VA • at AC at 430 Virated value 100 VA • at 400 Virated value 100 VA • at 400 Virated value 100 VA • at 400 Virated value 4AA • at 600 Virated value 4AA • at 600 Virated value 4A • at 600 Virated value 4A • at 600 Virated value 0.3 hp • at 600 Virated value 0.3 hp • at 600 Virated value 0.8 hp <		15 1/h
Auxiliary circuit Inumbor of NC contacts for auxiliary contacts 0 numbor of NC contacts for auxiliary contacts 0 0 numbor of NC contacts for auxiliary contacts 0 0 runch of NC contacts for auxiliary contacts 0 0 runch of CO contacts for auxiliary contacts 0 0 Productiva and Incolong unumbor of NC contacts for auxiliary contacts 0 0 etail contacts for auxiliary contacts 0 0 output contacts for auxiliary contacts 0 0 etail contacts for auxiliary contacts 0 0 output contacts for auxiliary contacts 0 0 etail contacts for auxiliary contacts 0 0 output contacts for auxiliary contacts 0 0 output contacts for auxiliary contacts 0 0 output contactontext for auxiliar		
number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 protect function 0 exponential of auxiliary contacts 0 product function No explanation		
number of N0 contacts for auxiliary contacts 0 number of C0 contacts for auxiliary contacts 0 Product functions 0 product functions 0 or gound fault detection No • product durations No • product duration No • at Ac at 20 V rated value 100 kA • at Ac at 200 V rated value 6 kA • at Ac at 500 V rated value 6 kA • at Ac at 500 V rated value 100 kA • at 200 V rated value 100 kA • at 200 V rated value 100 kA • at 200 V rated value 100 kA • at 400 V rated value 40 kA • at 400 V rated valu		0
number of CO contacts for auxiliary contacts 0 Productives and monitoring functions product function • ground fault detection No • appase filter 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 500 V rated value 100 kA • at AC at 500 V rated value 100 kA • at 240 V rated value 100 kA • at 400 V rated value 4 kA response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings UL/CSA ratings full-load current (FLA) for 3-phase AC motor 0.13 hp - at 200 V rated value 0.33 hp • at 600 V rated value 0.33 hp - at 200208 V rated value 0.4 pp		
Protective and monitoring functions product function • ground faul detection • phase failure detection maximum short-circuit current breaking capacity (icu) • at AC at 240 V rated value • at AC at 500 V rated value • at 4C at 500 V rated value • at 600 V rated value		
product function No • graund 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 260 V rated value 100 kA • at AC at 260 V rated value 100 kA • at AC at 260 V rated value 100 kA • at AC at 260 V rated value 6 kA operating short-circuit current breaking capacity (ics) at AC • at 260 V rated value 100 kA • at 260 V rated value 100 kA • at 260 V rated value 100 kA • at 260 V rated value 100 kA • at 500 V rated value 100 kA • at 500 V rated value 100 kA • at 500 V rated value 4 kA • at 500 V rated value 4 A • at 600 V rated value 4 A • at 500 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.13 hp • at 260 V rated value 0.33 hp • for 3-sphase AC motor - at 200/280 V rated value 0.33 hp • for 3-sphase AC motor - at 200/280 V rated value 0.8		0
• ground fault detectionNo• phase failure detectionNomaximum short-circuit current breaking capacity (tcu)100 kA• at AC at 240 V ried value100 kA• at AC at 500 V ried value100 kA• at AC at 500 V ried value6 kAoperating short-circuit current breaking capacity (tcs) at AC100 kA• at 240 V ried value100 kA• at 240 V ried value100 kA• at 240 V ried value100 kA• at 250 V ried value100 kA• at 600 V ried value100 kA• at 600 V ried value100 kA• at 600 V ried value4 kA• at 600 V ried value4 A• at 600 V ried value4 A• at 600 V ried value0.13 hp• at 600 V ried value0.33 hp• for 3-phase AC motor0.8 hp at 200/208 V ried value0.33 hp• for 3-phase AC motor0.8 hp at 200/208 V ried value0.75 hp at 200/208 V ried value2 hp at 200/208 V ried value2 hp at 200/208 V ried value2 hp at 200/208 V ried value0.8 hp at 200/208 V ried value2 hp at 200/208 V ried value2 hp at 200/208 V ried value3 hpShort-circuit protectionYesdesign of the first infort T network for short-circuit protectionYesdesign of the first infort fractorit or short-circuit protectionYesdesign of the first infort fractorit or short-circuit protectionYes	Protective and monitoring functions	
• phase failure detection No maximum short-circuit current breaking capacity (tcu) 100 kA • at AC at 200 V rated value 100 kA • at AC at 200 V rated value 100 kA • at AC at 200 V rated value 100 kA • at AC at 200 V rated value 6 kA operating short-circuit current breaking capacity (tcs) at AC • • at 200 V rated value 100 kA • at 200 V rated value 100 kA • at 300 V rated value 4 kA response value current of instantaneous short-circuit tip unit 52 A ULICSA ratings J • at 400 V rated value 4 A • at 400 V rated value 4 A • at 600 V rated value 0.13 hp - at 200/208 V rated value 0.3 hp • for 3-sphase AC motor 0.3 hp - at 200/208 V rated value 0.3 hp • at 500 V rated value 0.4 V • at 500/20208 V rated value 0.3 hp	•	
maximum short-circuit current breaking capacity (icu) i at AC at 240 V rated value 100 kA • at AC at 240 V rated value 100 kA • at AC at 500 V rated value 100 kA • at AC at 680 V rated value 6 kA • operating short-circuit current breaking capacity (ice) at AC 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 4 kA • at 600 V rated value 4 kA • at 600 V rated value 4 A • at 600 V rated value 0.13 hp at 200 V rated value 0.3 hp • at 200/208 V rated value 0.3 hp at 200/208 V rated value 0.75 hp at 200/208 V rated value 3 hp Short-circuit protection Yes design of the short-circuit protection Yes design of the fuse link for 1 notwork for short-circuit protection gL/g3 32 A • at 600 V gL/g3 32 A <td< td=""><td> ground fault detection </td><td>No</td></td<>	 ground fault detection 	No
• at AC at 240 V rated value 100 kA • at AC at 400 V rated value 100 kA • at AC at 600 V rated value 6 kA • operating short-circuit current breaking capacity (ics) at AC 6 kA • at 200 V rated value 100 kA • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.13 hp • at 200 V rated value 0.13 hp • at 600 V rated value 0.13 hp • at 600 V rated value 0.13 hp • at 600 V rated value 0.13 hp <td> phase failure detection </td> <td>No</td>	 phase failure detection 	No
• at AC at 400 V rated value100 kA• at AC at 500 V rated value6 kAoperating short-circuit current breaking capacity (ics) at AC6 kA• at 200 V rated value100 kA• at 200 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value4 A• at 600 V rated value0.13 hp at 10/120 V rated value0.33 hp- at 200/200 V rated value0.3 hp- at 200/200 V rated value0.16 hp- at 200/200 V rated value0.175 hp- at 420/200 V rated value0.18 hp- at 200/200 V rated value0.18 hp- at 200/200 V rated value0.28 hp- at 200/200 V rated value0.28 hp- at 420/200 V rated value0.28 hp <td>maximum short-circuit current breaking capacity (Icu)</td> <td></td>	maximum short-circuit current breaking capacity (Icu)	
• at AC at 500 V rated value 100 kA • at AC at 500 V rated value 6 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 600 V rated value 4 kA response value current of Instantaneous short-circuit trip unit 52 A UUCSA rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.13 hp • at 600 V rated value 0.33 hp • for single-phase AC motor - at 200/208 V rated value • at 200 V rated value 0.33 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.33 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.75 hp - at 480/40 V rated value 2 hp - at 480/40 V rated value 2 hp - at 480/40 V rated value 2 hp - at 60/00 V rated value 2 hp - at 480/40 V rated value 2 hp - at 60/00 V rated value 2 hp - at 60/00 V rated value </td <td>• at AC at 240 V rated value</td> <td>100 kA</td>	• 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 6 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 600 V rated value 4 kA response value current of Instantaneous short-circuit trip unit 52 A UUCSA rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.13 hp • at 600 V rated value 0.33 hp • for single-phase AC motor - at 200/208 V rated value • at 200 V rated value 0.33 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.33 hp • for 3-phase AC motor - at 200/208 V rated value - at 200/208 V rated value 0.75 hp - at 480/40 V rated value 2 hp - at 480/40 V rated value 2 hp - at 480/40 V rated value 2 hp - at 60/00 V rated value 2 hp - at 480/40 V rated value 2 hp - at 60/00 V rated value 2 hp - at 60/00 V rated value </td <td>• at AC at 400 V rated value</td> <td>100 kA</td>	• at AC at 400 V rated value	100 kA
• at AC at 660 V rated value 6 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 650 V rated value 100 kA • at 650 V rated value 100 kA • at 650 V rated value 4 kA response value current of instantaneous short-circuit trip unit 52 A 1ULCSA ratings 1ULCSA ratings full-load current (FLA) for 3-phase AC motor 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 0.13 hp - at 200 V rated value 0.33 hp • for 3-phase AC motor - - at 200 v rated value 0.8 hp - at 200208 V rated value 0.75 hp - at 200208 V rated value 3 hp Short-circuit protection Yes gelsign of the fuse link for IT network for short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the short-circuit fup gL/gG 32 A • at 600 V gL/	 at AC at 500 V rated value 	100 kA
operating short-circuit current breaking capacity (ics) at AC 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 4 KA response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings 100 KA full-load current (FLA) for 3-phase AC motor 4 A • at 600 V rated value 0.13 hp - at 200208 V rated value 0.33 hp • for 3-phase AC motor 0.8 hp - at 200230 V rated value 0.75 hp - at 200230 V rated value 2 hp - at 200230 V rated value 3 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 design of the fuse link for IT network for short-circuit protection Yes mounting position any safeshog V gL/gG 32 A gL/gG 32 A		6 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 4 kA response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • at 100 V rated value 4 A • of raingle-phase AC motor 0.13 hp - at 1200 V rated value 0.33 hp • of or single-phase AC motor 0.33 hp - at 2200 V rated value 0.8 hp - at 220/230 V rated value 0.8 hp - at 220/230 V rated value 0.8 hp - at 400480 V rated value 2 hp - at 400480 V rated value 3 hp Short-circuit protection Yes design of the fusi his for T network for short-circuit protection Yes design of the fusi his for T network for short-circuit protection gL/gG 32 A • at 400 V gL/gG 32 A • at 600		
• at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 4 kA response value current of instantaneous short-circuit trip unit 52 A ULCSA ratings full-load current (FLA) for 3-phase AC motor 4 A • at 600 V rated value 4 A • of single-phase AC motor - - at 10/120 V rated value 0.13 hp - at 200/208 V rated value 0.33 hp • for 3-phase AC motor - - at 200/208 V rated value 0.75 hp - at 200/208 V rated value 2 hp - at 200/208 V rated value 3 hp Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the short-circuit trip magnetic i at 600 V gL/gG 32 A • at 600 V <td< td=""><td></td><td>100 kA</td></td<>		100 kA
• at 500 V rated value 4 kA response value current of instantaneous short-circuit trip unit 52 A VUCSA ratings 52 A full-load current (FLA) for 3-phase AC motor 4 A • at 400 V rated value 4 A • at 600 V rated value 0.13 hp - at 120/200 V rated value 0.33 hp • for 3-phase AC motor - - at 200 V rated value 0.33 hp • for 3-phase AC motor - - at 200208 V rated value 0.75 hp - at 200208 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 57/500 V rated value 3 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 400 V gL/gG 32 A • at 400 V gL/gG 32 A • at 800 V gL/gG 32 A • at 800 V gL/gG 32 A • at 800 V gL/gG 32 A <		
• at 690 V rated value 4 kA response value current of instantaneous short-circuit trip unit 52 A UL/CSA ratings 52 A full-load current (FLA) for 3-phase AC motor 4 A • at 480 V rated value 4 A • at 600 V rated value 4 A • at 600 V rated value 4 A • of or single-phase AC motor - - at 110/120 V rated value 0.13 hp - at 200/20 V rated value 0.33 hp • for 3-phase AC motor - - at 200/20 V rated value 0.8 hp - at 200/20 V rated value 0.8 hp - at 200/20 V rated value 0.8 hp - at 460/480 V rated value 2 hp - at 460/480 V rated value 3 hp Short-circuit protection Yes design of the fuse link for In retwork for short-circuit trip magnetic design of the fuse link for In retwork for short-circuit trip magnetic idesign of the fuse link for In the value for In the value for Intervent		
response value current of instantaneous short-circuit trip unit 52 A full-load current (FLA) for 3-phase AC motor at 480 V rated value A at 600 V rated value A i of single-phase AC motor 4 A of single-phase AC motor - - at 110/120 V rated value 0.13 hp - at 230 V rated value 0.33 hp of or 3-phase AC motor - - at 200/208 V rated value 0.8 hp - at 200/208 V rated value 0.75 hp - at 200/208 V rated value 2 hp - at 57/600 V rated value 3 hp Short-circuit protection Yes design of the short-circuit rpo magnetic design of the short-circuit rpo magnetic design of the short-circuit rop magnetic i at 600 V gL/gG 32 A i at 600 V gL/g 25 A Installation/ mounting / dimensions any fastening method any fastening method any fastening method any fastening method for mm width 45 mm depth		
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 4 A • at 600 V rated value 4 A yielded mechanical performance [hp] • for single-phase AC motor - at 10/120 V rated value 0.13 hp - at 1200 V rated value 0.33 hp • for 3-phase AC motor 0.33 hp - at 2200/208 V rated value 0.8 hp - at 200/208 V rated value 0.8 hp - at 200/208 V rated value 2 hp - at 200/208 V rated value 2 hp - at 200/200 V rated value 2 hp - at 200/200 V rated value 2 hp - at 200/200 V rated value 2 hp - at 575/600 V rated value 3 hp Short-circuit protection Yes design of the fuse link for IT network for short-circuit magnetic design of the fuse link for IT network for short-circuit gL/gG 32 A • at 400 V gL/gG 32 A • at 600 V gL/gG 32 A		
full-load current (FLA) for 3-phase AC motor 4 A • at 480 V rated value 4 A • at 600 V rated value 4 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.13 hp - at 200208 V rated value 0.33 hp • for 3-phase AC motor 0.8 hp - at 200208 V rated value 0.8 hp - at 200208 V rated value 0.8 hp - at 200208 V rated value 0.8 hp - at 460/480 V rated value 2 hp - at 450/5600 V rated value 3 hp Short-circuit protection Yes design of the short-circuit trp magnetic design of the fuse link for IT network for short-circuit gL/gG 32 A • at 400 V gL/gG 32 A • at 600 V gL/gG 32 A •		52 A
• at 480 V rated value4 A• at 600 V rated value4 Ayielded mechanical performance [hp]4 A• at 100/120 V rated value0.13 hp- at 110/120 V rated value0.33 hp• for 3-phase AC motor at 200/208 V rated value0.8 hp- at 220/230 V rated value0.75 hp- at 60/480 V rated value2 hp- at 60/480 V rated value3 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripgL/gG 32 A• at 400 VgL/gG 32 A• at 600 VgL/gG 32 A•	UL/CSA ratings	
• at 600 V rated value4 Ayielded mechanical performance [hp]	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.13 hp - at 230 V rated value 0.33 hp • for 3-phase AC motor 0.3 hp - at 200/208 V rated value 0.8 hp - at 220/230 V rated value 0.8 hp - at 220/230 V rated value 0.75 hp - at 460/480 V rated value 2 hp - at 65/5600 V rated value 3 hp Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic etaign of the fuse link for IT network for short-circuit gL/gG 32 A • at 680 V gL/g	 at 480 V rated value 	4 A
• for single-phase AC motor	• at 600 V rated value	4 A
- at 110/120 V rated value0.13 hp- at 230 V rated value0.33 hp• for 3-phase AC motor	yielded mechanical performance [hp]	
- at 230 V rated value0.33 hp• for 3-phase AC motor0.8 hp- at 200/208 V rated value0.8 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value3 hpShort-circuit protectionYesgesign of the short-circuit tripmagneticdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 32 Ai at 690 VgL/gG 55 AInstallation / mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm	 for single-phase AC motor 	
• for 3-phase AC motor at 200/208 V rated value0.8 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit ripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 400 VgL/gG 32 A• at 600 VgL/gG 32 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mm	— at 110/120 V rated value	0.13 hp
- at 200/208 V rated value0.8 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 42• at 690 VgL/gG 42• at 690 V </td <td>— at 230 V rated value</td> <td>0.33 hp</td>	— at 230 V rated value	0.33 hp
- at 200/208 V rated value0.8 hp- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 690 VgL/gG 42• at 690 VgL/gG 42• at 690 V </td <td>• for 3-phase AC motor</td> <td></td>	• for 3-phase AC motor	
- at 220/230 V rated value0.75 hp- at 460/480 V rated value2 hp- at 575/600 V rated value3 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 600 VgL/gG 32 A• at 600 VgL/gG 25 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm		0.8 hp
at 460/480 V rated value2 hp at 575/600 V rated value3 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 32 A• at 400 VgL/gG 32 A• at 500 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 60715height106 mmwidth45 mmdepth97 mm• with side-by-side mounting at the side0 mm		
at 575/600 V rated value3 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 circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 52 AInstallation/ mounting/ dimensionsanymounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing • with side-by-side mounting at the side0 mm		
Short-circuit protection Yes product function short circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the short-circuit trip gL/gG 32 A e at 400 V gL/gG 32 A e at 500 V gL/gG 32 A e 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 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm		
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 32 A • at 400 V gL/gG 32 A • at 500 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 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm		
design of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 25 AInstallation/mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm		Vac
design of the fuse link for IT network for short-circuit gL/gG 32 A o at 400 V gL/gG 32 A o at 500 V gL/gG 32 A o at 690 V gL/gG 25 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm		
protection of the main circuitgL/gG 32 A• at 400 VgL/gG 32 A• at 500 VgL/gG 32 A• at 690 VgL/gG 25 AInstallation/ mounting/ dimensionsmounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm		magneuc
 at 500 V gL/gG 32 A at 690 V gL/gG 25 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing with side-by-side mounting at the side 0 mm 		
• at 690 V gL/gG 25 A Installation/ mounting/ dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm	• at 400 V	gL/gG 32 A
• at 690 V gL/gG 25 A Installation/ mounting/ dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm	• at 500 V	gL/gG 32 A
Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm	• at 690 V	
mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 mm width 45 mm depth 97 mm required spacing 0 mm		
fastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm		any
height 106 mm width 45 mm depth 97 mm required spacing 0 mm		
width 45 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm		
depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm		
required spacing • with side-by-side mounting at the side 0 mm		
• with side-by-side mounting at the side 0 mm	•	97 11111
for grounded parts at 400 V		0 mm
	 for grounded parts at 400 V 	

	00
— 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	
 Ion live parts at 690 v — downwards 	50 mm
	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	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
Safety related data	
B10 value	5.000
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
Certificates/ approvals	
General Product Approval	Declaration of Conformity
Confirmation	



Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2311-1EC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2311-1EC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1EC20

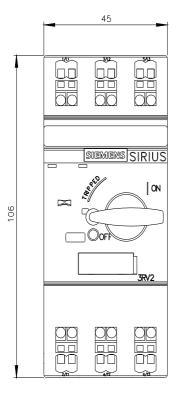
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2311-1EC20&lang=en

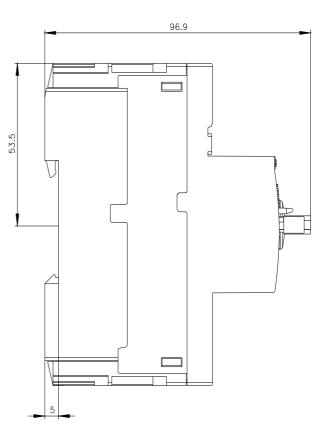
Characteristic: Tripping characteristics, I²t, Let-through current

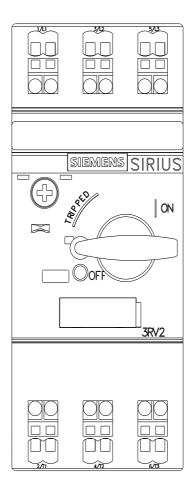
https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1EC20/char

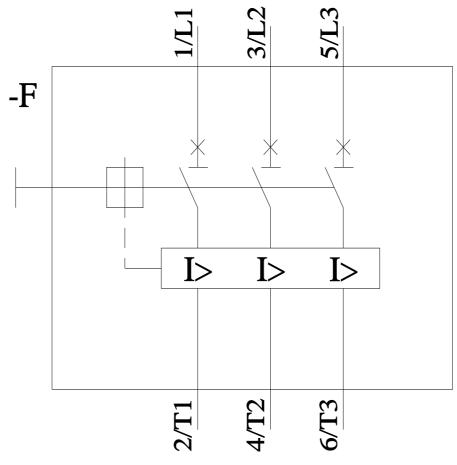
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-1EC20&objecttype=14&gridview=view1









11/21/2022 🖸