SIEMENS

Data sheet

3RV2311-1BC20



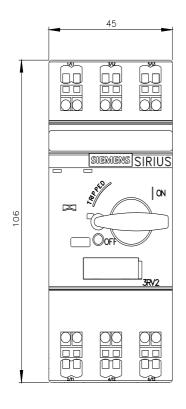
Circuit breaker size S00 for starter combination Rated current 2 A N-release 26 A Spring-type terminal Standard switching capacity

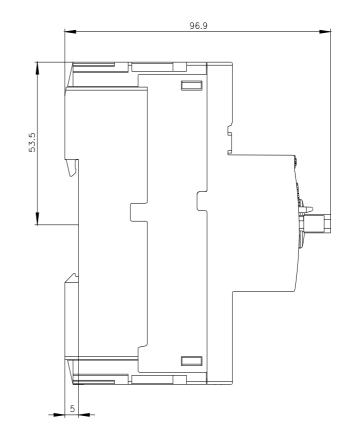
product brand name SI	
	IRIUS
product designation C	Circuit breaker
design of the product Fo	or starter combinations
product type designation 31	RV2
General technical data	
size of the circuit-breaker St	00
size of contactor can be combined company-specific St	00, S0
product extension auxiliary switch Ye	'es
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 65	90 V
surge voltage resistance rated value 6	kV
shock resistance according to IEC 60068-2-27 25	5g / 11 ms
mechanical service life (operating cycles)	
• of the main contacts typical 10	00 000
of auxiliary contacts typical	00 000
electrical endurance (operating cycles) typical 10	00 000
reference code according to IEC 81346-2 Q	2
Substance Prohibitance (Date) 10	0/01/2009
SVHC substance name BI	lei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum 2	000 m
ambient temperature	
• during operation -2	20 +60 °C
• during storage -5	50 +80 °C
• during transport -5	50 +80 °C
relative humidity during operation 10	0 95 %
Main circuit	
number of poles for main current circuit 3	
operating voltage	
rated value 20	0 690 V
• at AC-3 rated value maximum 69	90 V
• at AC-3e rated value maximum 69	90 V
operating frequency rated value 50	0 60 Hz
operational current rated value 2	A
operational current	
• at AC-3 at 400 V rated value 2	A
• at AC-3e at 400 V rated value 2	A
operating power	

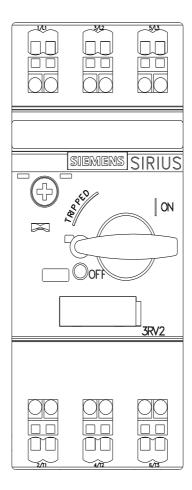
• • #1 4:5 3 - • # 230 V rind visue 0.4 kW • - # 200 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.4 kW • - # 250 V rind visue 0.4 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.8 kW • - # 250 V rind visue 0.1 kW • # AC-3 maximum 15 lh • # AC-3 maximum 15 lh • # AC-3 maximum 10 lk • # AC-2 maximum contacts for auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0 • number of NC contacts for auxiliary contacts 0.1 kW • • # AC-2 maximum abort-cicuit current breaking capacity (tcu) • A AC-2 maximum bioteric (tcurrent breaking capacity (tcu) • • # AC-2 maximum abort-cicuit current breaking capacity (tcu) 100 kA • • # AC-2 maximum abort-cicuit current breaking capacity (tcu) at actact at actact at at at at at at at a		
	• at AC-3	
	— at 230 V rated value	0.4 kW
 → af 30 V rade value → af 42 30 V rade value → af 42 30 V rade value → af 40 V rade value	— at 400 V rated value	0.8 kW
	— at 500 V rated value	0.8 kW
	— at 690 V rated value	1.1 kW
	• at AC-3e	
	— at 230 V rated value	0.4 kW
	— at 400 V rated value	0.8 kW
operating frequency 15 hh • at AC3 maximum 0 number of No contacts for auxillary contacts 0 • ground fault detection No • ground fault detection No • at AC at 300 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 400 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA • at 600 V rated value 10 kA • at 600 V rated value 2 A • at 600 V rated value 2 A<	— at 500 V rated value	0.8 kW
• at AC3 maximum 15 fm Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 • ground fault detection No mustation of NC contacts for auxiliary contacts 0 • product function No • product function No • at AC at 240 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at AC at 360 V rated value 100 LA • at 360 V rated value 2 A • at 360 V rated value 2 A	— at 690 V rated value	1.1 kW
a A AC3e maximum 15 I/h Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 product function 0 • ground fault detection No • optication fault detection No • and AC at 240 V inter value 100 KA • alt AC at 240 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • alt AC at 260 V inter value 100 KA • at 240 V inter value 100 KA • at 260 V inter value 100 KA • at 360 V inter value 10 KA • at 360 V inter value 20 K UUC5A Vinter value 20 K • at 360 V inter value 10 KA • at 360 V inter value 11 hp at 250 V inter value 11 hp </td <td>operating frequency</td> <td></td>	operating frequency	
Auxiliary circuit 0 number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Protective and monitoring functions 0 product function No • phase latile detection No • at A cat 240 V rated value 100 kA • at A cat 240 V rated value 100 kA • at A cat 240 V rated value 100 kA • at A cat 240 V rated value 100 kA • at A cat 240 V rated value 100 kA • at A cat 500 V rated value 100 kA • at A cat 500 V rated value 100 kA • at 200 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 2A • at 600 V rated value 100 kA • at 600 V rated value 101 kA • at 600 V rated value 101 kA	• at AC-3 maximum	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 eiground fault detection No objacts failure detection No maximum short-circuit current breaking capacity (tcu) 100 KA • at AC at 400 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 500 V rated value 100 KA • at AC at 500 V rated value 100 KA • at AC at 500 V rated value 100 KA • at 400 V rated value 100 KA • at 400 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 100 KA • at 600 V rated value 2 A • at 600 V rated value 1 hp - at 500 V rated value 1 hp - at 600 V rated value <td>• at AC-3e maximum</td> <td>15 1/h</td>	• at AC-3e maximum	15 1/h
number of ND contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 Product function 0 ergound fault detection No • ground fault detection No • arX cat 240 V rated value 100 KA • arX cat 240 V rated value 100 KA • arX cat 250 V rated value 100 KA • arX cat 500 V rated value 100 KA • arX cat 500 V rated value 100 KA • arX cat 500 V rated value 100 KA • arX cat 500 V rated value 100 KA • arX cat 500 V rated value 100 KA • arX cat 200 V rated value 100 KA • arX cat 200 V rated value 100 KA • arX cat 200 V rated value 100 KA • arX cat 200 V rated value 100 KA • arX cat 200 V rated value 100 KA • arX cat 200 V rated value 2A • arX cat 200 V rated value 1 hp - arX cat 200 V rated va	Auxiliary circuit	
number of CO contacts for auxiliary contacts 0 Product function 0 e ground fault detection No maximum short-ficult current breaking capacity (tcu) 0 • at AC at 240 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 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 400 V rated value 100 kA • at 600 V rated value 2A • at 600 V rated value 10 kA	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions product function • ground fail detection • ground fail detection maximum short-circuit current breaking capacity (icu) • at AC at 240 V rated value • at AC at 550 V rated value • at 400 V rate value • at 400 V rated value • at 575600 V rated value	number of NO contacts for auxiliary contacts	0
product function No • graund fault detection No • phase fullure detection No maximum short-circuit current breaking capacity (fcu) • at AC at 40 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 40 C at 900 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 2 A 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 0.13 hp • at 600 V rated value 1 hp • at 600 V rated value 1 hp - at 573600 V rated value 1 hp • at 600 V rated value 1 hp - at 6737600 V rated value 1 hp	number of CO contacts for auxiliary contacts	0
• ground fault detectionNo• phase failure detectionNomaximum short-circuit current breaking capacity (cu)100 kA• at AC at 240 V rated value100 kA• at AC at 240 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value2 A• at 600 V rated value1 hp• at 600 Vgl gG 25 A• at 600 V	Protective and monitoring functions	
	product function	
maximum short-circuit current breaking capacity (icu) i 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 600 V rated value 100 kA • at AC at 600 V rated value 100 kA • at 240 V rated value 100 kA • at 600 V rated value 20 kA U/CSA ratings 100 kA full-load current (FLA) for 3-phase AC motor 4 400 V rated value • at 400 V rated value 2 A • at 400 V rated value 2 A • at 600 V rated value 1 hp at 404/480 V rated value 1 hp at 400 V rated value 1 hp at 400 V rated value 1 hp at 400 V value value 1 hp at 400 V value value 1 hp at 600 V 2 J/g3 25 A - at 600 V 2 J/g3 25 A - at 600	 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 400 V rated value 100 kA • at AC at 680 V rated value 100 kA • at AC at 680 V rated value 100 kA • at 200 V rated value 100 kA • at 300 V rated value 100 kA • at 600 V rated value 2A • at 600 V rated value 2A • at 600 V rated value 2A • at 600 V rated value 10 kA • at 600 V rated value 2A • at 600 V rated value 10 kB • for 3-phase AC motor - - at 404/48 0V rated value 1 hp • at 600 V rated value 1 hp Short-circuit protection Yes design of the fuse link for TI retwork for short-circuit protection Yes design of the fuse link for TI retwork for short-circuit protection at 600 V • at 600 V	phase failure detection	No
• at AC at 400 V rated value 100 kA • at AC at 500 V rated value 10 kA • at AC at 500 V rated value 10 kA • at 240 V rated value 10 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA • at 600 V rated value 2 A • at 600 V rated value 0.13 hp • for single-phase AC motor - - at 200 V rated value 1 hp - at 200 V rated value 1 hp - at 200 V rated value 1 hp • for 3-phase AC motor - - at 600480 V rated value 1 hp • at 600 V rated value 1 hp • at 600 V rated value 1 hp • at 600 V gL/gG 25 A • at 400 V gL/gG 25 A • at 600 V gL/gG 25 A • at 60	maximum short-circuit current breaking capacity (Icu)	
• at AC at 500 V rated value 100 kA • at AC at 500 V rated value 10 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 300 V rated value 100 kA • at 500 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA response value current of instantaneous short-circuit trip unit 26 A UUCSA ratings 2 full-load current (FLA) for 3-phase AC motor 2 • at 600 V rated value 2 A • at 600 V rated value 2 A yieldad mechanical performance [hp] • • for single-phase AC motor - - at 230 V rated value 0.13 hp • for 3-phase AC motor - - at 400480 V rated value 1 hp - at 4575k00 V rated value 1 hp - at 4576k00 V rated value 1 hp stort-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic idesign of the short-circuit trip magnetic idesign of the short-circuit trip magnetic idesign of the short-circuit trip at 600 V idesign of the short-circu	• at AC at 240 V rated value	100 kA
• at AC at 660 V rated value10 kAoperating short-circuit current breaking capacity (Ics) at AC100 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 650 V rated value100 kA• at 680 V rated value100 kAresponse value current of Instantaneous short-circuit trip unit26 A UL/CSA tatings 2 A tull-load current (FLA) for 3-phase AC motor 2 A• at 480 V rated value2 A• at 600 V rated value1 hp- at 230 V rated value0.13 hp• for 3-phase AC motor1 hp- at 375/600 V rated value1 hp- at 575/600 V rated value1 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protectionYesat 400 VgL/gG 25 A• at 600 VgL/gG 20 AInstallation/ mounting / dimensionssorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mm• with slide-by-side mounting at the side0 mm• for grounded parts at 400 V97 mm- downwards30 mm	• at AC at 400 V rated value	100 kA
operating short-circuit current breaking capacity (ics) at AC 100 kA • at 240 V rated value 100 kA • at 400 V rated value 100 kA • at 600 V rated value 100 kA • at 600 V rated value 10 kA response value current of instantaneous short-circuit trip unit 26 A U/CSA ratings U/CSA rated value full-load current (FLA) for 3-phase AC motor 2 A • at 600 V rated value 0.13 hp • for single-phase AC motor - at 450/480 V rated value - at 450/480 V rated value 1 hp - at 450/480 V rated value 1 hp - at 450/480 V rated value 1 hp e at 600 V rated value 1 hp e at 575/600 V rated value 1 hp e at 600 V gJ/g2 25 A e at 400 V gJ/g2 25 A e at 600 V gJ/g2 25 A	 at AC at 500 V rated value 	100 kA
 e at 240 V rated value 100 kA e at 600 V rated value 100 kA e at 600 V rated value 100 kA e at 600 V rated value 100 kA response value current of instantaneous short-circuit trip unit 26 A UL/GSA ratings UL/GSA ratings UL/GSA rated value 2 A e at 600 V rated value 2 A e at 600 V rated value 2 A e at 600 V rated value 2 A e for single-phase AC motor e or single-phase AC motor e or double value thp e or single-phase AC motor guided mechanical performance (hp) magnetic design of the short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit guidg2 25 A guidg2 26 A guidg2 26 A guidg2 26 A guidg2 26 A gui	 at AC at 690 V rated value 	10 kA
• at 400 V rated value 100 kA • at 600 V rated value 100 kA response value current of instantaneous short-circuit trip unit 26 A ULCSA ratings Tuil-load current (FLA) for 3-phase AC motor • at 400 V rated value 2 A • at 600 V rated value 0.13 hp • for 3-phase AC motor - - at 400/480 V rated value 0.13 hp • for 3-phase AC motor - - at 400/480 V rated value 1 hp - at 400/480 V rated value 1 hp - at 400/480 V rated value 1 hp Short-circuit protection Yes design of the fuse link for Th retwork for short-circuit gu/gG 25 A • at 400 V gu/gG 25 A • at 600 V gu/gG 20 A Installation/mounting dimensions <tr< td=""><td>operating short-circuit current breaking capacity (Ics) at AC</td><td></td></tr<>	operating short-circuit current breaking capacity (Ics) at AC	
• at 500 V rated value 10 kA • at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 28 A /UCSA ratids 2A full-load current (FLA) for 3-phase AC motor 2 A • at 600 V rated value 2 A • of raingle-phase AC motor 0.13 hp • for 3-phase AC motor - - at 200 V rated value 1 hp - at 60/480 V rated value 1 hp - at 575/600 V rated value 1 hp - at 575/600 V rated value 1 hp groduct function short circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit trip gl/gG 25 A • at 400 V gl/gG 25 A gl/gG 20 A hastallation/mounting/ dimensions any mounting position any fastening method sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 106 nm width 45 mm depth 97 mm required spacing 0	• at 240 V rated value	100 kA
• at 690 V rated value 10 kA response value current of instantaneous short-circuit trip unit 26 A UL/CSA ratings	• at 400 V rated value	100 kA
response value current of instantaneous short-circuit trip unit 26 A ULCSA ratings full-load current (FLA) for 3-phase AC motor	• at 500 V rated value	100 kA
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 400 V rated value 2 A • at 600 V rated value 2 A yielded mechanical performance [hp] • for single-phase AC motor - at 230 V rated value 0.13 hp • for 3-phase AC motor - at 400480 V rated value - at 230 V rated value 1 hp - at 575/600 V rated value 1 hp - at 575/600 V rated value 1 hp gesign of the 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 25 A • at 600 V gL/gG 25 A • at 600 V gL/gG 25 A • at 600 V gL/gG 26 A • at 600 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded part	• at 690 V rated value	10 kA
full-load current (FLA) for 3-phase AC motor 2 A • at 480 V rated value 2 A • at 600 V rated value 2 A yielded mechanical performance [hp] • for single-phase AC motor - at 230 V rated value 0.13 hp • for 3-phase AC motor 0.13 hp - at 460/480 V rated value 1 hp - at 460/480 V rated value 1 hp - at 4575/600 V rated value 1 hp Short-circuit protection Yes design of the short-circuit rp magnetic design of the fuse link for IT network for short-circuit gL/gG 25 A • at 600 V gL/gG 25 A • at 600 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • of orgounded parts at 400 V 30 mm	response value current of instantaneous short-circuit trip unit	26 A
• at 480 V rated value 2 A • at 600 V rated value 2 A yielded mechanical performance [hp] 2 A • for single-phase AC motor - at 230 V rated value - at 230 V rated value 0.13 hp • for 3-phase AC motor - at 460/480 V rated value - at 460/480 V rated value 1 hp - at 575/600 V rated value 1 hp - at 575/600 V rated value 1 hp Short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip magnetic design of the short-circuit growth for short-circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 690 V gL/gG 20 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 omm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	UL/CSA ratings	
• at 600 V rated value2 Ayielded mechanical performance [hp]	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] for single-phase AC motor at 230 V rated value 0.13 hp for 3-phase AC motor at 460/480 V rated value 1 hp at 575/600 V rated value 1 hp Short-circuit protection Yes design of the short-circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit protection of the main circuit gL/gG 25 A e at 400 V gL/gG 25 A e at 690 V gL/gG 25 A e of 90 V gL/gG 20 A Installation/ mounting/ dimensions mounting notified 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 requir	• at 480 V rated value	2 A
 for single-phase AC motor at 230 V rated value 0.13 hp for 3-phase AC motor at 450/480 V rated value 1 hp at 450/480 V rated value 1 hp at 57/600 V rated value 1 hp at 57/600 V rated value 1 hp at 57/600 V rated value 1 hp short-circuit protection Yes design of the short-circuit trip magnetic design of the short-circuit trip at 400 V gL/gG 25 A at 690 V gL/gG 25 A gL/gG 26 A at 690 V gL/gG 25 A	• at 600 V rated value	2 A
- at 230 V rated value0.13 hp• for 3-phase AC motor1 hp- at 460/480 V rated value1 hp- at 575/600 V rated value1 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripgL/gG 25 A• at 400 VgL/gG 25 A• at 690 VgL/gG 20 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacingor mm• with side-by-side mounting at the side0 mm• for grounded parts at 400 V30 mm	yielded mechanical performance [hp]	
• for 3-phase AC motorI- at 460/480 V rated value1 hp- at 575/600 V rated value1 hpShort-circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse link for IT network for short-circuit protection of the main circuitgL/gG 25 A• at 400 VgL/gG 25 A• at 500 VgL/gG 20 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing0 mm• with side-by-side mounting at the side0 mm• for grounded parts at 400 V0 mm• ad wonwards30 mm	 for single-phase AC motor 	
at 460/480 V rated value1 hp at 575/600 V rated value1 hpShort-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the short-circuit tripgL/gG 25 A• at 400 VgL/gG 25 A• at 500 VgL/gG 25 A• at 690 VgL/gG 20 AInstallation/ mounting/ dimensionsanyfastening methodanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmequired spacingo mm• with side-by-side mounting at the side0 mm• for grounded parts at 400 V30 mm	— at 230 V rated value	0.13 hp
at 575/600 V rated value1 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 25 A• at 400 VgL/gG 25 A• at 690 VgL/gG 25 A• at 690 VgL/gG 20 AInstallation/ mounting/ dimensionsanyfastening methodanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacingon mn• with side-by-side mounting at the side0 mm• for grounded parts at 400 V30 mm	 for 3-phase AC motor 	
Short-circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 26 A • at 690 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	— at 460/480 V rated value	1 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 gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	— at 575/600 V rated value	1 hp
design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 26 A • at 690 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	Short-circuit protection	
design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 25 A • at 690 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	product function short circuit protection	Yes
design of the fuse link for IT network for short-circuit protection of the main circuit gL/gG 25 A • at 400 V gL/gG 25 A • at 500 V gL/gG 25 A • at 690 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	· ·	magnetic
protection of the main circuitgL/gG 25 A• at 400 VgL/gG 25 A• at 500 VgL/gG 20 AInstallation/ mounting/ dimensionsanymounting positionanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacingon m• with side-by-side mounting at the sideon m• for grounded parts at 400 V30 mm		
• at 500 VgL/gG 25 A• at 690 VgL/gG 20 AInstallation/ mounting/ dimensionsanyfastening methodscrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715height106 mmwidth45 mmdepth97 mmrequired spacing97 mm• with side-by-side mounting at the side0 mm• for grounded parts at 400 V30 mm	protection of the main circuit	
• at 690 V gL/gG 20 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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	• at 400 V	
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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm		
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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm		gL/gG 20 A
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 • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	Installation/ mounting/ dimensions	
height 106 mm width 45 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	mounting position	
width 45 mm depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm	fastening method	
depth 97 mm required spacing 0 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 30 mm		
required spacing 0 mm • with side-by-side mounting at the side 0 mm • for grounded parts at 400 V 0 mm — downwards 30 mm	width	
with side-by-side mounting at the side o mm for grounded parts at 400 V	·	97 mm
for grounded parts at 400 V downwards 30 mm		
- downwards 30 mm		0 mm
- upwards 30 mm		
	— upwards	30 mm

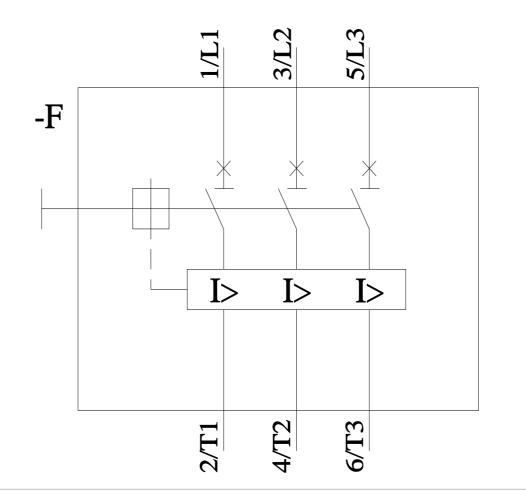
— at the side	9 mm
 for live parts at 400 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for live parts at 500 V 	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
 for grounded parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
 for main current circuit 	spring-loaded terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (0,5 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	
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
B10 value with high demand rate according to SN 31920	5 000
T1 value for proof test interval or service life according to	10 a
IEC 61508	
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
Approvals Certificates	
General Product Approval	Declaration of Conformity
	EAL AR CE
ccc UL	EG-Konf.
Test Certificates Marine / Shipp	ping
iname / Ship	

<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	BUREAU VERITAS		Llovd's Register urs			
Marine / Shipping		other			Railway			
PRS	RINA	Household and similar appliances	<u>Confirmation</u>		Vibration and Shock			
Railway	Environment							
<u>Confirmation</u>	Environmental Con- firmations							
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 pa	ckaging		a or 2010.00).					
https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,)								
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Cax online generator								
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https://support.industry	https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1BC20							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2311-1BC20⟨=en								
Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2311-1BC20/char								
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2311-1BC20&objecttype=14&gridview=view1								









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