SIEMENS

Data sheet 3RV2321-4CC20



Circuit breaker size S0 for starter combination Rated current 22 A N-release 286 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	S0
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 (switching cycles)	
 of the main contacts typical 	100 000
of auxiliary contacts typical	100 000
electrical endurance (switching 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	22 A
operational current	
 at AC-3 at 400 V rated value 	22 A
 at AC-3e at 400 V rated value 	22 A

- 31 AC-3 at 230 V rated value - at 400 V rated value - at 500 V rated value - at 600 V		
	• at AC-3	
	— at 230 V rated value	
■ at 250 V rated value	— at 400 V rated value	11 kW
■ at 240 V rated value	— at 500 V rated value	11 kW
	— at 690 V rated value	18.5 kW
	• at AC-3e	
	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating frequency	— at 500 V rated value	11 kW
e at AC-3 maximum e) at AC-3e maximum 15 1/h Auxiliary circuit 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 e) ground fault detection No phase failure detection No breaking capacity maximum short-circuit current (Icu) e) at AC at 240 V rated value e) at AC at 400 V rated value e) at AC at 800 V rated value breaking capacity operating short-circuit current (Ics) at AC e) at 240 V rated value breaking capacity operating short-circuit current (Ics) at AC e) et 240 V rated value breaking capacity operating short-circuit current (Ics) at AC e) at 400 V rated value breaking capacity operating short-circuit current (Ics) at AC e) at 400 V rated value e) at 400 V rated value e) at 500 V rated value e) at 690 V rated value e) at 6	— at 690 V rated value	18.5 kW
a AC-3e maximum Auxiliary circuit number of NC contacts for auxiliary contacts 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 Protective and monitoring functions product function a ground fault detection b passe failure detection read and act 240 V rated value at AC at 240 V rated value at AC at 400 V rated value at AC at 590 V rated value at AC at 590 V rated value at AC at 690 V rated value at 200 V rated value at 200 V rated value at 690 V rated value at 200 V rated value at 200 V rated value at 200 V rated value at 690 V rated value at 200 V rated value at 200 V rated value at 200 V rated value at 690 V rated value at	operating frequency	
Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 Protective and monitoring functions product function • ground fault detection • product function • ground fault detection No • phase failure detection breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 440 V rated value • at AC at 4500 V rated value • at AC at 550 V rated value • at AC at 550 V rated value • at AC at 550 V rated value • at 450 V rated value • at 650 V rated value • at 7.5 hp • at 220 V rated value • at 250 V rated value • at 450 V rated value • at 450 V rated value • at 450 V rated value • at 250 V rated value •	at AC-3 maximum	15 1/h
number of NC contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts product function	at AC-3e maximum	15 1/h
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts protective and monitoring functions product function ground fault detection hose phase failure detection at AC at 240 V rated value at AC at 400 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 500 V rated value at 40 V rated value at 55 kA breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 500 V rated value at 500 V rated value at 500 V rated value breaking capacity operating short-circuit turrent (Ics) at AC at 400 V rated value at 500 V rated value breaking capacity operating short-circuit turrent (Ics) at 600 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 22 A yielded mechanical performance [hp] for single-phase AC motor at 101/120 V rated value at 200/208 V rated value at 200/208 V rated value 7.5 hp at 200/208 V rated value at 200/208 V rated value 7.5 hp product function short circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 800 V breaking and shap-on mounting onto 35 mm standard mounting rall according to DIN EN 60715	Auxiliary circuit	
number of CO contacts for auxilliary contacts product function • ground fault detection • phase failure detection • phase failure detection • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at 40 V rated value • at 40 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 600 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase AC motor • at 200/200 V rated value • for 3-phase A	number of NC contacts for auxiliary contacts	0
Protective and monitoring functions product function	number of NO contacts for auxiliary contacts	0
product function ground fault detection phase fallure detection No breaking capacity maximum short-circuit current (icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value that AC at 500 V rated value at AC at 650 V rated value at AC at 650 V rated value breaking capacity operating short-circuit current (ics) at AC at 240 V rated value at 400 V rated value breaking capacity operating short-circuit current (ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 600 V rated value	number of CO contacts for auxiliary contacts	0
product function ground fault detection phase fallure detection No breaking capacity maximum short-circuit current (icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value that AC at 500 V rated value at AC at 650 V rated value at AC at 650 V rated value breaking capacity operating short-circuit current (ics) at AC at 240 V rated value at 400 V rated value breaking capacity operating short-circuit current (ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 600 V rated value	Protective and monitoring functions	
• ground fault detection • phase failure detection No breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 4500 V rated value • at AC at 550 V rated value • at AC at 550 V rated value • at AC at 690 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 340 V rated value • at 350 V rated value • at 250 V rated value • at 250 V rated value • at 350 V rated value • at 460480 V rated value • at 350 V rated value • at 350 V rated value • at 350 V • at 690 V		
phase failure detection breaking capacity maximum short-circuit current (Icu) a 1A Ca 1240 V rated value at AC at 4500 V rated value at AC at 550 V rated value at AC at 4809 V rated value breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 55 kA 5 kA 6 at 690 V rated value 25 kA 5 kA 5 kA 6 at 690 V rated value 25 kA 8 at 690 V rated value 286 A 100 kA 100	•	No
breaking capacity maximum short-circuit current (Icu) at AC at 240 V rated value at AC at 400 V rated value 55 kA 10 kA at AC at 580 V rated value 4 kA breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value 100 kA at 400 V rated value 25 kA 31 500 V rated value 25 kA 31 500 V rated value 26 kA 36 80 V rated value 27 kA 286 A 10 L/CSA ratings Tull-load current (FLA) for 3-phase AC motor 101 480 V rated value 22 A 31 480 V rated value 32 A 34 500 V rated value 35 KA 36 A 27 KHI-load current (FLA) for 3-phase AC motor 16 At 500 V rated value 27 kA 38 A 39 Jeffer value 30 V rated value 31 hp 40 For single-phase AC motor 41 10 1/20 V rated value 55 kA 42 A 43 Hp 44 KA 45 KA 46 KA 46 KA 47 KA 48	•	
at AC at 240 V rated value at AC at 500 V rated value 55 kA at AC at 500 V rated value 4 kA breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value 25 kA at 240 V rated value 25 kA at 690 V rated value 25 kA at 690 V rated value 25 kA at 690 V rated value 26 kA at 690 V rated value 27 kA at 690 V rated value 286 A UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 22 A at 690 V rated value 22 A solution of single-phase AC motor - at 480 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor - at 110/120 V rated value 3 hp for 3-phase AC motor - at 200/208 V rated value 5 for 3-phase AC motor - at 200/208 V rated value 5 for 3-phase AC motor - at 480/408 V rated value 5 for 3-phase AC motor - at 480/408 V rated value 5 for 3-phase AC motor - at 200/208 V rated value 5 for 3-phase AC motor -		
at AC at 500 V rated value at AC at 690 V rated value breaking capacity operating short-circuit current (Ics) at AC at 400 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 500 V rated value at 600 V rated value tesponse value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 5 kA 2 kA 3 hp 4 in 10/120 V rated value at 600 V rated value 5 kB 5 kB 5 kA 5 kB 5 kA 5 kB 5 kA 5 kB		100 kA
at AC at 690 V rated value breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit IULICSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 22 A yielded mechanical performance [hp] of or single-phase AC motor —at 110/120 V rated value af 1200/208 V rated value of or 3-phase AC motor —at 2200/208 V rated value of rasphase AC motor —at 2200/208 V rated value af 220/230 V rated value af 220/230 V rated value af 240/480 V rated value af 260/480 V ra	 at AC at 400 V rated value 	55 kA
breaking capacity operating short-circuit current (Ics) at AC at 240 V rated value at 400 V rated value 5 kA at 690 V rated value 5 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 5 kA 22 A 31 kB V rated value 22 A 31 kB V rated value 22 A 32 A 31 kB V rated value 31 kB V rated value 32 A 31 kB V rated value 31 kB V rated value 32 h 32 kB V rated value 41 kB V rated value 5 to single-phase AC motor 41 kB V rated value 5 to single-phase AC motor 41 kB V rated value 5 to single-phase AC motor 41 kB V rated value 7 to single-phase AC motor 41 kB V rated value 7 to single-phase AC motor 41 kB V rated value 7 to single-phase AC motor 41 kB V rated value 7 to single-phase AC motor 9 to single-phase	at AC at 500 V rated value	10 kA
at AC at 240 V rated value at 400 V rated value at 500 V rated value 5 kA at 500 V rated value 25 kA at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 22 A st 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 3 hp for 3-phase AC motor — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V at 500 V gl/g6 50 A gl/g6 50 A Installation/ mounting/ dimensions mounting position are standard mounting rail according to DIN EN 60715	at AC at 690 V rated value	4 kA
at 240 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 22 A at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1.5 hp — at 230 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 7.5 hp — at 220/230 V rated value 7.5 hp at 460/480 V rated value 15 hp 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 at 400 V at 500 V at 500 V gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method 100 kA 25 kA 5 kA	breaking capacity operating short-circuit current (lcs)	
at 400 V rated value at 500 V rated value at 690 V rated value zesponse value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 1.5 hp — at 230 V rated value 3 hp for 3-phase AC motor — at 200/208 V rated value 3 hp for 3-phase AC motor — at 220/230 V rated value 3 hp for 3-phase AC motor — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V at 500 V at 500 V gL/gG 50 A steeping method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	at AC	
at 500 V rated value at 690 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 3 hp for 3-phase AC motor at 1200/208 V rated value 5 to 3-phase AC motor at 220/230 V rated value 7.5 hp at 220/230 V rated value 7.5 hp at 240/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V at 500 V at 500 V gL/gG 50 A stallation/ mounting/ dimensions mounting position fastening method 5 kA 2 kA 4 ka 4 ka 0 V rated value 2 k A 3 hp 4 to 3 hp 4 to 4 short-circuit protection yes design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V gL/gG 50 A 3 hy 5 screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	 at 240 V rated value 	100 kA
est 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor e at 480 V rated value 22 A e at 600 V rated value 22 A yielded mechanical performance [hp] e for single-phase AC motor — at 110/120 V rated value 1.5 hp — at 230 V rated value 5 of or 3-phase AC motor — at 200/208 V rated value 7.5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp 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 e at 400 V at 500 V at 500 V gL/gG 50 A steel and short one of the short of the main circuit e at 600 V screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	 at 400 V rated value 	25 kA
response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 110/120 V rated value • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value 7.5 hp — at 460/480 V rated value 5hort-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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 22 A 22 A 22 A 22 A 22 A 25 A 26 A 27 S hp 7.5 hp 7.5 hp 7.5 hp 7.5 pp 7.5	 at 500 V rated value 	5 kA
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/28 V rated value • at 200/28 V rated value 7.5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the short-circuit trip at 400 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 22 A 22 A 22 A 24 A 25 A 26 A 26 A 27 A 28 A 29 A 20 A	at 690 V rated value	2 kA
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value 22 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 3 hp • for 3-phase AC motor — at 200/208 V rated value 7.5 hp — at 220/230 V rated value 7.5 hp — at 460/480 V rated value 15 hp Short-circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method at 400 V screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	unit	286 A
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 — at 230 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value product function short circuit protection product function short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 400 V at 400 V at 400 V at 500 V at 690 V Installation/ mounting/ dimensions mounting position fastening method 22 A 24 A 25 A 26 A 26 A 36 A 47 B 48 B 49 B 40 B 40 B 50 B 60 B 6	UL/CSA ratings	
* at 600 V rated value yielded mechanical performance [hp] * for single-phase AC motor	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — to the 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method any fastening method 1.5 hp 1.5 hp 7.5 hp 7	 at 480 V rated value 	22 A
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — bp roduct function 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method at 1.5 hp 1.5 hp 7.5 hp 7.5 hp 7.5 hp 7.5 hp 7.5 hp 7.5 mp 7.6 hp 7.7 hp 7.7 hp 7.8 hp 7.9 hp	at 600 V rated value	22 A
- at 110/120 V rated value - at 230 V rated value 9 for 3-phase AC motor - at 200/208 V rated value 7.5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 1.5 hp 3 hp 4.5	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value 7.5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 3 hp 7.5 hp 7.6 hp 7.7 hp 7.7 hp 7.7 hp 7.8 hp 7.9 hp	 for single-phase AC motor 	
 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 product function 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 at 400 V at 500 V at 690 V gL/gG 50 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 	 at 110/120 V rated value 	1.5 hp
- at 200/208 V rated value 7.5 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 15 hp Short-circuit protection 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 • at 400 V gL/gG 63 A • at 500 V gL/gG 50 A • at 690 V gL/gG 50 A Installation/ mounting/ dimensions mounting position fastening method any fastening method 7.5 hp	— at 230 V rated value	3 hp
- 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 7.5 hp 15 hp Yes magnetic gL/gG gB/gG	 for 3-phase AC motor 	
- 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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 15 hp Yes magnetic gL/gG 63 A gL/gG 63 A gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	 at 200/208 V rated value 	7.5 hp
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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method Yes magnetic gL/gG 63 A gL/gG 63 A gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	 at 220/230 V rated value 	7.5 hp
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 • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method Yes magnetic gL/gG 63 A gL/gG 63 A gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions any fastening method Screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	— at 460/480 V rated value	15 hp
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method magnetic magnetic magnetic magnetic gL/gG 63 A gL/gG 63 A gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	Short-circuit protection	
design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method any fastening method gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	product function short circuit protection	Yes
protection of the main circuit at 400 V gL/gG 63 A at 500 V at 690 V gL/gG 50 A Installation/ mounting/ dimensions mounting position any fastening method gL/gG 63 A gL/gG 50 A gL/gG 50 A gL/gG 50 A	design of the short-circuit trip	magnetic
at 500 V at 690 V gL/gG 50 A gL/gG 50 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		
● at 690 V Installation/ mounting/ dimensions mounting position fastening method any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	• at 400 V	gL/gG 63 A
Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	• at 500 V	gL/gG 50 A
mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	• at 690 V	gL/gG 50 A
mounting position any fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715	Installation/ mounting/ dimensions	
fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715		any
according to DIN EN 60715		
height 119 mm		according to DIN EN 60715
	height	119 mm

width	45 mm
depth	97 mm
required spacing	
• for grounded parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— upwarus — at the side	9 mm
for grounded parts at 690 V	V IIIII
— downwards	50 mm
— upwards	50 mm
— upwarus — backwards	0 mm
— at the side	30 mm
— forwards	0 mm
for live parts at 690 V	OTHILL
— downwards	50 mm
— upwards	50 mm
— upwards — backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	O THIN
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	
	2v (1 1() mm²)
	2x (1 10 mm²)
— finely stranded with core end processing	2x (1 6 mm²)
finely stranded with core end processingfinely stranded without core end processing	2x (1 6 mm²) 2x (1 6 mm²)
 finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts 	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8)
 finely stranded with core end processing finely stranded without core end processing at AWG cables for main contacts design of screwdriver shaft 	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
- finely stranded with core end processing - finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8)
finely stranded with core end processing finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
- finely stranded with core end processing - finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm
finely stranded with core end processing finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
finely stranded with core end processing finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT]	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 %
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 FIT 10 y IP20
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20 finger-safe, for vertical contact from the front
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 display version for switching status	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20
— finely stranded with core end processing — finely stranded without core end processing • at AWG cables for main contacts design of screwdriver shaft size of the screwdriver tip Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] • with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	2x (1 6 mm²) 2x (1 6 mm²) 2x (18 8) Diameter 3 mm 3,0 x 0,5 mm 5 000 50 % 50 % 50 FIT 10 y IP20 finger-safe, for vertical contact from the front



Confirmation





<u>KC</u>



Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>









Marine / Shipping

other

Railway







Confirmation



Vibration and Shock

Railway

Confirmation

Further information

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=3RV2321-4CC20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2321-4CC20

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4CC20

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2321-4CC20&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2321-4CC20/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2321-4CC20&objecttype=14&gridview=view1

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