SIEMENS

Data sheet 3RV2021-4BA25



CIRCUIT-BREAKER SZ S0, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 13...20A, N-RELEASE 260A, SPRING-L. CONNECTION, STANDARD SW. CAPACITY, W. TRANSVERSE AUX. SWITCH 1NO+1NC

product brand name	SIRIUS
Product designation	3RV2 circuit breaker

General technical data:		
Active power loss total typical	W	8
Insulation voltage		
 with degree of pollution 3 Rated value 	V	690
Shock resistance		
• acc. to IEC 60068-2-27		25g / 11 ms
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
 of the main contacts typical 		100 000
 of the auxiliary contacts typical 		100 000
Electrical endurance (switching cycles)		
• typical		100 000
Temperature compensation	°C	-20 + 60
Size of contactor can be combined company-specific		S00
Protection class IP		
• on the front		IP20
of the terminal		IP20
Type of protection		Increased safety
Equipment marking		
• acc. to DIN EN 81346-2		Q

Main circuit:	
Number of poles for main current circuit	3

Adjustable response value current of the current-	Α	13 20
dependent overload release		
Operating voltage		
Rated value	V	690
 at AC-3 Rated value maximum 	V	690
Operating frequency Rated value	Hz	50 60
Operating current Rated value	Α	20
Operating current		
• at AC-3		
— at 400 V Rated value	Α	20
Operating power		
• at AC-3		
— at 230 V Rated value	W	5 500
— at 400 V Rated value	W	7 500
— at 500 V Rated value	W	11 000
— at 690 V Rated value	W	15 000
Operating frequency		
• at AC-3 maximum	1/h	15
Auxiliary circuit:		
Number of NC contacts		
 for auxiliary contacts 		1
Number of NO contacts		
 for auxiliary contacts 		1
Number of CO contacts		
 for auxiliary contacts 		0
Product expansion Auxiliary switch		Yes
Design of the auxiliary switch		transverse
Operating current of the auxiliary contacts at AC-15		
● at 24 V	Α	2
● at 120 V	Α	0.5
● at 125 V	Α	0.5
● at 230 V	Α	0.5
Operating current of the auxiliary contacts at DC-13		
● at 24 V	Α	1
● at 60 V	Α	0.15
Protective and monitoring functions:		
Trip class		CLASS 10
Design of the overload circuit breaker		thermal
Operational short-circuit current breaking capacity (Ics) with AC		
• at 240 V Rated value	kA	100
● at 400 V Rated value	kA	25

* at 660 V Rated value Maximum short-circuit current breaking capacity (lcu) * with AC at 2d0 V Rated value * with AC at 360 V Rated value * with AC at 550 V Rated value * with 2 current path for DC at 150 V Rated value * with 3 current paths in series for DC at 350 V Rated value * with 3 current paths in series for DC at 450 V Rated value * with 3 current paths in series for DC at 450 V Rated value * with 3 current paths in series for DC at 450 V Rated value * with 3 current paths in series for DC at 450 V Rated value * with 3 current paths in series for DC at 450 V Rated value * with 3 current paths in series for DC at 450 V Rated value * at 800 V Rated value * at 800 V Rated value * at 800 V Rated value * for single-phase AC motor at 110/120 V Rated value * for three-phase AC motor at 230 V Rated value * for three-phase AC motor at 230 V Rated value * for three-phase AC motor at 200/208 V Rated value * for three-phase AC motor at 200/230 V Rated value * for three-phase AC motor at 200/230 V Rated value * for three-phase AC motor at 460/480 V Rated value * for three-phase AC motor at 460/480 V Rated value * for three-phase AC motor at 460/480 V Rated value * for short-circuit trip * Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) * at 500 V	● at 500 V Rated value	kA	5
with AC at 240 V Rated value with AC at 400 V Rated value with AC at 500 V Rated value with 1 current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value Response value current of the instantaneous short-ricruit release UL/CSA ratings: Full-load current (FLA) for three-phase AC motor at 480 V Rated value at 600 V Rated value at 600 V Rated value for single-phase AC motor at 110/120 V Rated value for single-phase AC motor at 230 V Rated value for three-phase AC motor at 230 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC mot	● at 690 V Rated value	kA	2
with AC at 400 V Rated value with AC at 500 V Rated value with AC at 500 V Rated value with AC at 690 V Rated value with AC at 690 V Rated value with AC at 690 V Rated value with A current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value Response value current of the instantaneous short-circuit release UL/CSA ratings: Full-load current (FLA) for three-phase AC motor at 480 V Rated value at 600 V Rated V Rated V Rated value at 600 V Rated V	Maximum short-circuit current breaking capacity (Icu)		
with AC at 500 V Rated value with AC at 500 V Rated value with AC at 690 V Rated value with 1 current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current (FLA) for three-phase AC motor at 480 V Rated value at 600 V Rated value A 20 at 600 V Rated value of or single-phase AC motor at 110/120 V Rated value of or single-phase AC motor at 230 V Rated value of for three-phase AC motor at 230 V Rated value of for three-phase AC motor at 200/208 V Rated value of for three-phase AC motor at 200/208 V Rated value of for three-phase AC motor at 200/208 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value of for three-phase AC motor at 460/480 V Rated value value of for three-phase AC motor at 460/480 V Rated value value value valu	• with AC at 240 V Rated value	kA	100
with AC at 690 V Rated value Breaking capacity short-circuit current (ton) with 1 current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value Response value current of the instantaneous short-circuit release UL/CSA ratings: Full-load current (FLA) for three-phase AC motor at 480 V Rated value at 600 V Rated value at 600 V Rated value at 600 V Rated value for single-phase AC motor at 110/120 V Rated value for single-phase AC motor at 230 V Rated value for three-phase AC motor at 230 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 460/480 V Ra	• with AC at 400 V Rated value	kA	55
Breaking capacity short-circuit current (Icn) • with 1 current path for DC at 150 V Rated value • with 2 current paths in series for DC at 300 V Rated value • with 3 current paths in series for DC at 450 V Rated value • with 3 current paths in series for DC at 450 V Rated value • with 3 current paths in series for DC at 450 V Rated value • with 3 current of the Instantaneous short-circuit release **DIL/CSA ratings:** **Pull-load current (FLA) for three-phase AC motor • at 480 V Rated value • at 600 V Rated value • at 600 V Rated value • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for single-phase AC motor at 460/480 V Rated value • for short-circuit protection Design of the short-circuit protection Design of the short-circuit protection of the auxiliary switch required • full design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V	• with AC at 500 V Rated value	kA	10
with 1 current path for DC at 150 V Rated value with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value with 3 current paths in series for DC at 450 V Rated value Response value current of the Instantaneous short-circuit release	● with AC at 690 V Rated value	kA	4
with 2 current paths in series for DC at 300 V Rated value with 3 current paths in series for DC at 450 V Rated value Response value current of the Instantaneous short-circuit release	Breaking capacity short-circuit current (Icn)		
Rated value • with 3 current paths in series for DC at 450 V Rated value Response value current of the instantaneous short- circuit release Comparison of the series of the instantaneous short- circuit release Comparison of the series of the instantaneous short- circuit release Comparison of the series of the ser	• with 1 current path for DC at 150 V Rated value	kA	10
Response value current of the instantaneous short- circuit release Comparison	·	kA	10
circuit release UL/CSA ratings: Full-load current (FLA) for three-phase AC motor • at 480 V Rated value • at 600 V Rated value • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for ringle-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 220/230 V Rated metric php Contact rating of the auxiliary contacts acc. to UL Short-circuit: Froduct function Short circuit protection Yes Design of the fuse link • for short-circuit protection of the auxiliary switch required (short-circuit current lk < 400 A) Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 400 V • at 500 V	•	kA	10
Full-load current (FLA) for three-phase AC motor • at 480 V Rated value • at 600 V Rated value • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 200/208 V Rated metric hp Explain the first phase AC motor at 200/208 V Rated metric hp ### Total Company Total ### Tot	•	A	260
at 480 V Rated value at 600 V Rated value yielded mechanical performance [hp] of or single-phase AC motor at 110/120 V Rated value for single-phase AC motor at 230 V Rated value of or three-phase AC motor at 200/208 V Rated value of or three-phase AC motor at 200/208 V Rated value of or three-phase AC motor at 220/230 V Rated value of or three-phase AC motor at 220/230 V Rated value of or three-phase AC motor at 460/480 V Rated value of or three-phase AC motor at 460/480 V Rated value Tontact rating of the auxiliary contacts acc. to UL C300 / R300 Short-circuit: Product function Short circuit protection Design of the fuse link of or short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit of at 400 V at 500 V A 20 Tontact rating of the fuse link of IT network for short-circuit protection of the main circuit at 400 V at 500 V	UL/CSA ratings:		
at 600 V Rated value yielded mechanical performance [hp] • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated metric hp • for three-phase AC motor at 460/480 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp • for three-phase AC motor at 220/230 V Rated metric hp	Full-load current (FLA) for three-phase AC motor		
yielded mechanical performance [hp] • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated metric hp Contact rating of the auxiliary contacts acc. to UL Short-circuit: Product function Short circuit protection Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V	● at 480 V Rated value	Α	20
for single-phase AC motor at 110/120 V Rated value for single-phase AC motor at 230 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 200/208 V Rated value for three-phase AC motor at 220/230 V Rated value for three-phase AC motor at 220/230 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 220/230 V Rated v	• at 600 V Rated value	Α	20
value • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value Contact rating of the auxiliary contacts acc. to UL C300 / R300 Short-circuit: Product function Short circuit protection Design of the fuse link • for short-circuit protection of the auxiliary switch required 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	yielded mechanical performance [hp]		
value • for three-phase AC motor at 200/208 V Rated value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated metric hp Contact rating of the auxiliary contacts acc. to UL C300 / R300 Short-circuit: Product function Short circuit protection Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required 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			1.5
value • for three-phase AC motor at 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 460/480 V Rated value Contact rating of the auxiliary contacts acc. to UL C300 / R300 Short-circuit: Product function Short circuit protection Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V hp C300 / R300 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)			3
value • for three-phase AC motor at 460/480 V Rated value Contact rating of the auxiliary contacts acc. to UL Contact rating of the auxiliary contacts acc. to UL Compared Contact rating of the auxiliary contacts acc. to UL Compared Yes Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V And The metric hp metric hp metric hp To short circuit curit protection Yes The magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) gL/gG 63 A gL/gG 63 A gL/gG 50 A	-		5
Value hp Contact rating of the auxiliary contacts acc. to UL Short-circuit: Product function Short circuit protection Design of the short-circuit trip magnetic Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link (short-circuit current lk < 400 A) 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 C300 / R300 Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	•		5
Short-circuit: Product function Short circuit protection Design of the short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V gL/gG 63 A gL/gG 50 A	-		10
Product function Short circuit protection Design of the short-circuit trip magnetic Design of the fuse link for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Contact rating of the auxiliary contacts acc. to UL		C300 / R300
Product function Short circuit protection Design of the short-circuit trip magnetic Design of the fuse link for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit at 400 V at 500 V The short-circuit protection Yes magnetic Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Short-circuit:		
Design of the fuse link • for short-circuit protection of the auxiliary switch required 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 Puse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Product function Short circuit protection		Yes
 • for short-circuit protection of the auxiliary switch required Design of the fuse link for IT network for short-circuit protection of the main circuit • at 400 V • at 500 V Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) gL/gG 63 A gL/gG 50 A 	Design of the short-circuit trip		magnetic
required (short-circuit current lk < 400 A) 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	Design of the fuse link		
protection of the main circuit • at 400 ∨ gL/gG 63 A • at 500 ∨ gL/gG 50 A	required		
● at 500 V gL/gG 50 A	-		
	● at 400 V		gL/gG 63 A
● at 690 V gL/gG 50 A	● at 500 V		gL/gG 50 A
	● at 690 V		gL/gG 50 A

mounting position		any
mounting position		any
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
Height	mm	119
Width	mm	45
Depth	mm	96
Required spacing		
with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— at the side	mm	30
— downwards	mm	50
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— downwards	mm	50
— at the side	mm	30
Connections/ Terminals:		
Type of electrical connection		
for main current circuit		spring-loaded terminals
for auxiliary and control current circuit		spring-loaded terminals
Arrangement of electrical connectors for main current circuit		Top and bottom
Product function		
 removable terminal for auxiliary and control circuit 		No
Type of connectable conductor cross-section		
• for main contacts		
— single or multi-stranded		2x (1 10 mm²)
— finely stranded with core end processing		2x (1 6 mm²)
finely stranded without core end processing		2x (1 6 mm²)
for AWG conductors for main contacts		2x (18 8)
		,

for auxiliary contacts		
— single or multi-stranded		2x (0,5 2,5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²)
 finely stranded without core end 		2x (0.5 1.5 mm²)
processing		
 for AWG conductors for auxiliary contacts 		2x (20 14)
Design of screwdriver shaft		Diameter 5 to 6 mm
Safety related data:		
B10 value with high demand rate acc. to SN 31920		50 000
Proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	%	40
 with high demand rate acc. to SN 31920 	%	40
Failure rate [FIT] with low demand rate acc. to SN	FIT	50
31920		
T1 value for proof test interval or service life acc. to IEC 61508	У	10
Protection against electrical shock		finger-safe
Mechanical data:		
Size of the circuit-breaker		S0
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		- ***
Ambient temperature		
during operation	°C	-20 +60
during storage	°C	-50 + 80
during transport	°C	-50 +80
Relative humidity during operation	%	10 95
Display:		
Display version		
		Handle
for switching status		Talluic

Certificates/ approvals:

General Product Approval

Declaration of Conformity

Test

Certificates











Declaration of the Compliance with the order

Test Certificates

Shipping Approval

Type Test Certificates/Test Report

Special Test Certificate









Shipping Approval











Environmental Confirmations

Confirmation

other



other

Further information

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV20214BA25

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

http://support.automation.siemens.com/WW/view/en/3RV20214BA25/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV20214BA25&lang=en





