SIEMENS

Data sheet

3RV2011-1EA25-0BA0



SPECIAL TYPE CIRCUIT BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-RELEASE 2.8...4A, SHORT-CIRCUIT RELEASE 52A, SPRING-LOADED TERMINAL, STANDARD SWITCHING CAPACITY W. TRANSVERSE AUXILIARY SWITCH 1NO+1NC AMBIENT TEMPERATURE -50 DEGREES C 500 SWITCHING CYCLES

Figure similar

product brand name	SIRIUS
Product designation	3RV2 circuit breaker

General technical data:		
Active power loss total typical	W	6
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 		500
 of the auxiliary contacts typical 		500
Electrical endurance (switching cycles)		
• typical		100 000
Temperature compensation	°C	-20 +60
Size of contactor can be combined company-specific		S2
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- dependent overload release	Α	2.8 4
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	4
Operating current		
• at AC-3		
— at 400 V Rated value	Α	4
Operating power		
• at AC-3		
— at 230 V Rated value	W	750
— at 400 V Rated value	W	1 500
— at 500 V Rated value	W	2 200
— at 690 V Rated value	W	3 000
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:		01 400 40
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	100

** at 690 V Rated value** Maximum short-circuit current breaking capacity (lou)** ** with AC at 240 V Rated value** ** with AC at 240 V Rated value** ** with AC at 580 V Rated value** ** with C current paths in Series for DC at 150 V Rated value** ** with 2 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** ** 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 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 insigle-phase AC motor at 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 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 575/600 V Rated value** ** for three-phase AC motor at 600 V Rated value	● at 500 V Rated value	kA	100
with AC at 240 V Rated value with AC at 400 V Rated value with AC at 500 V Rated value with AC are food V Rated value with C are food of the control of the auxiliary switch required with AC at 500 V Rated value with 3 current paths in series for DC at 300 V RATED V RA	● at 690 V Rated value	kA	4
with AC at 400 V Rated value with AC at 500 V Rated value with AC at 500 V Rated value with AC at 600 V Rated value with AC at 600 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 of the instantaneous short-circuit release VIL/CSA ratings: Full-load current (FLA) for three-phase AC motor 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 of or 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 460/480 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or three-phase AC motor at 575/600 V Rated value of or thre	Maximum short-circuit current breaking capacity (Icu)		
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 with 3 current of the instantaneous short-circuit release U/CSA ratings:	with AC at 240 V Rated value	kA	100
with AC at 690 V Rated value Response value 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 Response value current of the instantaneous short-circuit release ### Comparison of Comparison	 with AC at 400 V Rated value 	kA	100
Breaking capacity short-dircuit 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 Response value current of the instantaneous short-circuit release UI/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 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 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-phase AC motor at 575/600 V Rated value • for stree-ph	 with AC at 500 V Rated value 	kA	100
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	6
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 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 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 220/230 V Rated value for three-phase AC motor at 460/480 V Rated value for three-phase AC motor at 575/600 V Rated value for three	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 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 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 460/480 V Rated value for three-phase AC motor at 575/600 V Rated value for three-phase	• with 1 current path for DC at 150 V Rated value	kA	10
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 • 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 220/230 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated value	·	kA	10
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 • 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 575/600 V Rated v	·	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 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 575/600 V Rated		Α	52
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 110/120 V Rated value • for single-phase AC motor at 230 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 575/600 V Rate	-		
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 110/120 V Rated value • for single-phase AC motor at 230 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 575/600 V Rate	III /CCA setiones	_	
at 480 V Rated value at 600 V Rated value A 4 yielded mechanical performance [hp] of ror single-phase AC motor at 110/120 V Rated value for single-phase AC motor at 230 V Rated value of for single-phase AC motor at 230 V Rated value of three-phase AC motor at 200/208 V Rated value of three-phase AC motor at 220/230 V Rated value of three-phase AC motor at 220/230 V Rated value of three-phase AC motor at 460/480 V Rated value of three-phase AC motor at 575/600 V Rated value of three-phase AC motor at 575/600 V Rated value of three-phase AC motor at 575/600 V Rated value of three-phase AC motor at 575/600 V Rated value Total Training 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 of ror short-circuit protection of the auxiliary switch required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	•		
• 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 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 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for short-circuit trip Design of the fuse link • for short-circuit protection of the auxiliary switch required	· ·	Α	4
yielded mechanical performance [hp] • for single-phase AC motor at 110/120 V Rated value • for single-phase AC motor at 230 V Rated hp • for single-phase AC motor at 230 V Rated value • for three-phase AC motor at 200/208 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 460/480 V Rated hp • for three-phase AC motor at 460/480 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 575/600 V Rated hp • for three-phase AC motor at 460/480 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 200/280 V Rated hp • for three-phase AC motor at 200/280 V Rated hp • for three-phase AC motor at 200/280 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for three-phase AC motor at 220/230 V Rated hp • for th		Α	4
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 575/600 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 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 220/230 V Rated value for three-phase AC motor at 220/230 V Rated v			
value hp • 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 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 460/480 V Rated metric • pp • for three-phase AC motor at 460/480 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 460/480 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 460/480 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for three-phase AC motor at 575/600 V Rated metric • pp • for		metric	0.125
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 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC moto	- 1	hp	
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 575/600 V Rated value for three-phase AC motor at 575/600 V Rated value Contact rating of the auxiliary contacts acc. to UL Contact rating of the auxiliary contacts acc. to UL Contact function Short circuit protection Design of the short-circuit trip Design of the fuse link for short-circuit protection of the auxiliary switch required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	• for single-phase AC motor at 230 V Rated	metric	0.333
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 575/600 V Rated value • for three-phase AC motor at 575/600 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 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	value	hp	
value • for three-phase AC motor at 460/480 V Rated value • for three-phase AC motor at 575/600 V Rated value • for three-phase AC motor at 575/600 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 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)			0.75
value hp metric hp Metric hp Short-circuit: Contact rating of the auxiliary contacts acc. to UL C300 / R300 Short-circuit: Product function Short circuit protection Yes Design of the short-circuit trip magnetic Design of the fuse link ● for short-circuit protection of the auxiliary switch required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	•		0.75
Value 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 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	•		2
value 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 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	• for three-phase AC motor at 575/600 V Rated	·	3
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 Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)		hp	
Product function Short circuit protection Design of the short-circuit trip magnetic Design of the fuse link of required 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 of required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Short-circuit:		
Design of the short-circuit trip Design of the fuse link ● for short-circuit protection of the auxiliary switch required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)			Yes
• for short-circuit protection of the auxiliary switch required Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)	Design of the short-circuit trip		magnetic
required (short-circuit current lk < 400 A)	Design of the fuse link		
Design of the fuse link for IT network for short-circuit			
	Design of the fuse link for IT network for short-circuit		
protection of the main circuit	protection of the main circuit		
● at 400 V gL/gG 32 A	● at 400 V		gL/gG 32 A
● at 500 V gL/gG 32 A	● at 500 V		gL/gG 32 A

mounting position		any
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
Height	mm	106
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 (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 conductors for main contacts 		2x (20 12)
 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 processing 		2x (0.5 1.5 mm²)
 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 31920	FIT	50
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		S00
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
during operation	°C	-50 + 60
during storage	°C	-50 + 80
during transport	°C	-50 + 80
Relative humidity during operation	%	10 95
Display:		
Display version		
• for switching status		Handle
Certificates/ approvals:		

General Product Approval

Declaration of Conformity

Test Certificates







Special Test Certificate Declaration of the Compliance with the order

Type Test
Certificates/Test
Report

Shipping Approval













Shipping Approval

other





Environmental Confirmations

Confirmation



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=3RV20111EA250BA0

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

 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3RV20111EA250BA0/all}}$

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV20111EA250BA0&lang=en

3RV2011-1EA25-0BA0 Page 6/8



