## **SIEMENS**

Data sheet 3RV2011-4AA25



Circuit breaker size S00 for motor protection, CLASS 10 A-release 10...16 A N-release 208 A Spring-type terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV2
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00, S0
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	9.25 W
at AC in hot operating state per pole	3.1 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
of auxiliary contacts typical	100 000
electrical endurance (operating cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	10 16 A
operating voltage	
• rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	16 A

operating brown of the auditory white of the auditory of the	amountianal assument	
## AAC-3e at 400 V rated value   16 A    operating pover    ## aid AC-3 of V rated value   4 kW    ## at 400 V rated value   7.5 kW    ## at 500 V rated value   7.5 kW    ## at 500 V rated value   7.5 kW    ## at 40-3e V rated value   11 kW    ## at 40-3e V rated value   7.5 kW    ## at 400 V rated value   7.5 kW	operational current	40.4
Operating power		
		16 A
	• at AC-3	
	— at 230 V rated value	4 kW
at 890 V rated value	— at 400 V rated value	7.5 kW
	— at 500 V rated value	7.5 kW
	— at 690 V rated value	11 kW
	• at AC-3e	
	— at 230 V rated value	4 kW
— at 800 V rated value  operating frequency  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 e maximum  Axulillary criedit  design of the auxiliary switch  number of NC contacts for auxiliary contacts  1  number of NC contacts for auxiliary contacts  1  number of CO contacts for auxiliary contacts  • at 24 V  • at 120 V  • at 120 V  • at 125 V  • at 230 V  operational current of auxiliary contacts at DC-13  • at 24 V  • at 120 V  • at 60 V  porerollonal current of auxiliary contacts at DC-13  • at 24 V  • at 100 V  • at 60 V  •	— at 400 V rated value	7.5 kW
operating frequency	— at 500 V rated value	7.5 kW
e at AC-3 maximum e at AC-3 maximum 15 1/h Auxiliary circuit  design of the auxiliary switch number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 1 number of NO contacts for auxiliary contacts 2 0 operational current of auxiliary contacts at AC-15 e at 24 V e at 120 V e at 125 V e at 125 V e at 230 V operational current of auxiliary contacts at DC-13 e at 24 V e at 80 V Protective and monitoring functions  Product function e ground fault detection e ground fault detection yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) e at AC at 400 V rated value e at AC at 600 V rated value e at AC at 600 V rated value e at AC at 600 V rated value e at 600 V rated	— at 690 V rated value	11 kW
auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 at 24 V at 120 V bit 125 V contacts of auxiliary contacts at AC-15 at 125 V contacts of auxiliary contacts at DC-13 at 125 V contacts of auxiliary contacts at DC-13 at 126 V do 1,5 A at 24 V to 1,5 A at 24 V to 1,5 A at 24 V to 1,6 A at 260 V porational current of auxiliary contacts at DC-13 at 24 V to 1,6 A at 260 V protective and monitoring functions product function ground fault detection yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 240 V rated value at AC at 360 V rated value at 400 V rate	operating frequency	
Auxiliary circuit   Iterasverse   Iterasve	• at AC-3 maximum	15 1/h
design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 at 24 V at 120 V 0.5 A at 120 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V at 230 V 0.5 A operational current of auxiliary contacts at DC-13 at 24 V at 20 V 0.5 A 0	• at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts	Auxiliary circuit	
number of NO contacts for auxiliary contacts   1	design of the auxiliary switch	transverse
number of CO contacts for auxiliary contacts   0	number of NC contacts for auxiliary contacts	1
operational current of auxiliary contacts at AC-15	number of NO contacts for auxiliary contacts	1
	number of CO contacts for auxiliary contacts	0
	• at 24 V	2 A
	• at 120 V	0.5 A
e at 24 V 0.15 A  ■ at 80 V 0.15 A  Protective and monitoring functions  product function ■ ground fault detection No ■ phase failure detection Yes  trip class CLASS 10  design of the overload release thermal  maximum short-circuit current breaking capacity (Icu) ■ at AC at 240 V rated value 55 kA ■ at AC at 400 V rated value 4 kA  ■ at AC at 500 V rated value 4 kA  ■ at 400 V rated value 55 kA ■ at 400 V rated value 4 kA  ■ at 400 V rated value 55 kA  ■ at 400 V rated value 4 kA  ■ at 400 V rated value 55 kA  ■ at 400 V rated value 4 kA  ■ at 400 V rated value 55 kA  ■ at 600 V rated value 16 kA  ■ at 200 V rated value 17 kp  ■ at 200 V rated value 18 kp  ■ at 200 V rated value 19 kp	• at 125 V	0.5 A
• at 24 V	• at 230 V	0.5 A
• at 24 V	operational current of auxiliary contacts at DC-13	
• at 60 V O.15 A  Protective and monitoring functions  product function  • ground fault detection • phase failure detection Yes  trip class CLASS 10  design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • 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 AC at 240 V rated value • at 40 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 600 V rated value • at 800 V rated value • at 600 V rated value • at 30 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • 500 V rated value • 600 V rated value • 60		1 A
Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  • phase failure detection  Yes  trip class  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at 40 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 480 V rated value  • at 3600 V rated value  • at 480 V rated value  • at 3600 V rated value  • at 480 V rated value  • at 3600 V rated value  • at 200 V rated value  • at 200 V rated value  • at 3600 V rated value  • at 3600 V rated value  • at 3600 V rated value  • at 480 V rated value  • at 200 V rated value  • at 3600 V rated value  • at 480 V rated value  • at 560 V rated value  • at 660 V rated value  • at 6		
product function	1111	
• ground fault detection • phase failure detection Yes  trip class CLASS 10  design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 240 V rated value • at AC at 590 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at 40 V rated value • at 690 V rated value • at 500 V rated value • at 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 • at 480 V rated value • at 600 V rated value • at 600 V rated value • 16 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 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 2200/230 V rated value • for 3-phase AC motor — at 200/280 V rated value • for 3-phase AC motor — at 200/280 V rated value • for 3-phase AC motor — at 200/280 V rated value • for 3-phase AC motor		
phase failure detection  trip class	•	No
trip class	-	
design of the overload release maximum short-circuit current breaking capacity (Icu)  at AC at 24 0 V rated value 100 kA at AC at 400 V rated value 55 kA at AC at 500 V rated value 100 kA at AC at 690 V rated value 4 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 100 kA at 400 V rated value 300 kA at 500 V rated value 5 kA at 500 V rated value 5 kA at 690 V rated value 5 kA beta 690 V rated value 6 to 690 V rated value 7 kA at 690 V rated value 100 kA 100	·	
maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value at AC at 400 V rated value be at AC at 500 V rated value at AC at 690 V rated value be at AC at 690 V rated value at AC at 690 V rated value be at AC at 500 V rated value be at AC at 690 V rated value be at 400 V rated value at 240 V rated value be at 400 V rated value be at 400 V rated value be at 690 V rated value be at 600 V rated value be at 200 V rated value	<u> </u>	
<ul> <li>at AC at 240 V rated value</li> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>4 kA</li> <li>operating short-circuit current breaking capacity (Ics) at AC</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li></li></ul>		tromu
<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>4 kA</li> <li>operating short-circuit current breaking capacity (Ics) at AC</li> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>b kA</li> <li>at 690 V rated value</li> <li>c kA</li> <li>at 690 V rated value</li> <li>b kA</li> <li>at 690 V rated value</li> <li>c kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>208 A</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for 3-phase AC motor</li> <li>- at 110/120 V rated value</li> <li>for single-phase AC motor</li> <li>- at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>- at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>- at 200/208 V rated value</li> <li>5 hp</li> <li>- at 200/230 V rated value</li> <li>5 hp</li> <li>- at 460/480 V rated value</li> <li>10 hp</li> </ul>		
<ul> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>4 kA</li> <li>operating short-circuit current breaking capacity (Ics) at AC</li> <li>at 240 V rated value</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>208 A</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>hp</li> <li></li></ul>		100 kA
• at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • 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  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  if 6 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 200/208 V rated value • at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp		
operating short-circuit current breaking capacity (Ics) at AC  • 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  response value current of instantaneous short-circuit trip unit  208 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  16 A  • at 600 V rated value  16 A  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp — at 230 V rated value 1 hp  • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 200/208 V rated value — at 200/208 V rated value — at 460/480 V rated value 5 hp — at 460/480 V rated value 10 hp	• at AC at 400 V rated value	55 kA
<ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>2 kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>208 A</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> </ul>	<ul><li>at AC at 400 V rated value</li><li>at AC at 500 V rated value</li></ul>	55 kA 10 kA
■ 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  208 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor     ■ at 480 V rated value     ■ at 600 V rated value     16 A     ■ at 600 V rated value     16 A  yielded mechanical performance [hp]     ● for single-phase AC motor     — at 110/120 V rated value     1 hp     — at 230 V rated value     2 hp      ● for 3-phase AC motor     — at 200/208 V rated value     3 hp     — at 220/230 V rated value     5 hp     — at 460/480 V rated value     10 hp	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul>	55 kA 10 kA
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>2 kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>208 A</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/208 V rated value</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>bip</li> <li>at 220/230 V rated value</li> <li>bip</li> <li>at 460/480 V rated value</li> <li>bip</li> <li>at 460/480 V rated value</li> <li>at 9 hp</li> </ul>	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC	55 kA 10 kA 4 kA
at 690 V rated value response value current of instantaneous short-circuit trip unit  208 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  16 A  at 600 V rated value  16 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value  1 hp  — at 230 V rated value  1 hp  at 230 V rated value  5 hp  — at 220/230 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  10 hp	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> </ul>	55 kA 10 kA 4 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 16 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 1 hp — at 230 V rated value 2 hp  • for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> </ul>	55 kA 10 kA 4 kA 100 kA 30 kA
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         ● at 480 V rated value       16 A         ● at 600 V rated value       16 A         yielded mechanical performance [hp]           ● for single-phase AC motor       1 hp         — at 110/120 V rated value       2 hp         ● for 3-phase AC motor       2 hp         — at 200/208 V rated value       3 hp         — at 220/230 V rated value       5 hp         — at 460/480 V rated value       10 hp	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  16 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  1 hp — at 230 V rated value  2 hp  • for 3-phase AC motor  — at 200/208 V rated value  3 hp — at 220/230 V rated value  5 hp — at 460/480 V rated value  10 hp	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> at 690 V rated value	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>16 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>5 hp</li> <li>— at 460/480 V rated value</li> <li>10 hp</li> </ul>	<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> </ul> operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> response value current of instantaneous short-circuit trip unit	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA
● 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 2 hp  ● for 3-phase AC motor — at 200/208 V rated value 3 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 690 V rated value  tesponse value current of instantaneous short-circuit trip unit  UL/CSA ratings	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 1 hp  — at 230 V rated value 2 hp  • for 3-phase AC motor  — at 200/208 V rated value 3 hp  — at 220/230 V rated value 5 hp  — at 460/480 V rated value 10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> </ul> </li> <li>10 hp</li> </ul>	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
<ul> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>● for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>1 hp</li> <li>2 hp</li> <li>5 hp</li> <li>10 hp</li> </ul>	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  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	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
<ul> <li>— at 230 V rated value</li> <li>● for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>10 hp</li> </ul>	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  yielded mechanical performance [hp]	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
● for 3-phase AC motor  — at 200/208 V rated value 3 hp  — at 220/230 V rated value 5 hp  — at 460/480 V rated value 10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for single-phase AC motor	55 kA 10 kA 4 kA 100 kA 30 kA 5 kA 2 kA 208 A
- at 200/208 V rated value 3 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for single-phase AC motor  at 110/120 V rated value	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A
— at 220/230 V rated value       5 hp         — at 460/480 V rated value       10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for single-phase AC motor  at 110/120 V rated value  at 230 V rated value	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A
— at 460/480 V rated value 10 hp	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for 3-phase AC motor  at 110/120 V rated value  at 230 V rated value  for 3-phase AC motor	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A  16 A 16 A 1 hp 2 hp
	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for 3-phase AC motor  at 110/120 V rated value  at 230 V rated value  for 3-phase AC motor	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A  16 A 16 A 1 hp 2 hp
contact rating of auxiliary contacts according to UL C300 / R300	at AC at 400 V rated value at AC at 500 V rated value at AC at 690 V rated value operating short-circuit current breaking capacity (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  UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value for single-phase AC motor at 110/120 V rated value 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	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A  16 A 16 A 1 hp 2 hp 3 hp 5 hp
	at AC at 400 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  operating short-circuit current breaking capacity (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  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  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  for 3-phase AC motor  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 460/480 V rated value	55 kA 10 kA 4 kA  100 kA 30 kA 5 kA 2 kA 208 A  16 A 16 A 1 hp 2 hp 3 hp 5 hp



product function short circuit protection	Yes
	magnetic
design of the short-circuit trip	magnetic
design of the fuse link	Figure at /aCt 40.0 rejainst the circuit broadest C.C.A. (about circuit ourseast the 4400
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 fuse link for IT network for short-circuit protection of the main circuit	
● at 240 V	gL/gG 80 A
• at 400 V	gL/gG 63 A
● at 500 V	gL/gG 50 A
● at 690 V	gL/gG 40 A
nstallation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	106 mm
width	45 mm
depth	97 mm
required spacing	
<ul> <li>with side-by-side mounting at the side</li> </ul>	0 mm
• 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
<ul> <li>for grounded parts at 500 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for live parts at 500 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
<ul> <li>for grounded parts at 690 V</li> </ul>	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
for main contacts	
— solid or stranded	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
for AWG cables for main contacts	2x (20 12)
type of connectable conductor cross-sections	



• for auxiliary contacts - solid or 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 mm<sup>2</sup>) • for AWG cables for auxiliary contacts 2x (20 ... 14) design of screwdriver shaft Diameter 3 mm size of the screwdriver tip 3,0 x 0,5 mm Safety related data B10 value • with high demand rate according to SN 31920 5 000 proportion of dangerous failures • with low demand rate according to SN 31920 50 % • with high demand rate according to SN 31920 50 % failure rate [FIT] • with low demand rate according to SN 31920 50 FIT T1 value for proof test interval or service life according to IEC 10 a 61508 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front display version for switching status Handle

Approvals Certificates

## **General Product Approval**

For use in hazardous locations

Confirmation





<u>KC</u>





For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping







Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Household and similar appliances

other

other

Railway

Environment

Confirmation



Confirmation

Vibration and Shock

Environmental Confirmations

## urther information

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

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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

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

Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-4AA25

Cax online generator



http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-4AA25

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RV2011

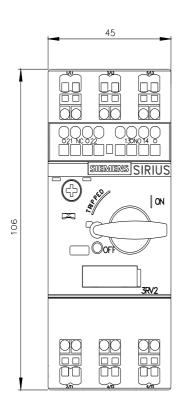
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RV2011-4AA25&lang=en

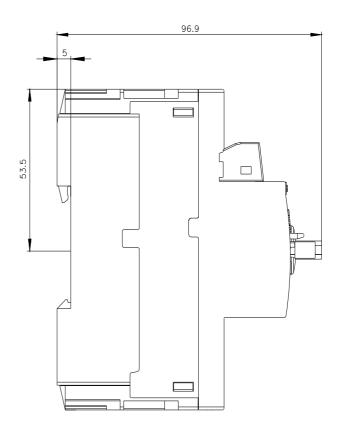
Characteristic: Tripping characteristics, I2t, Let-through current

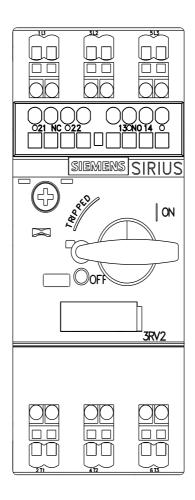
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-4AA25/char

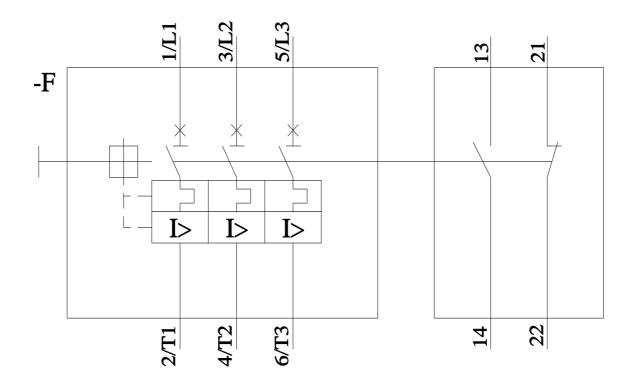
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-4AA25&objecttype=14&gridview=view1









last modified: 8/29/2023 🖸