## **SIEMENS**

Data sheet 3RV2111-1GA10





Circuit breaker size S00 for motor protection, CLASS 10 with overload relay function A-release 4.5...6.3 A N-release 82 A screw terminal Standard switching capacity



product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection with overload relay function
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	
at AC in hot operating state	7.25 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.4 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
<ul> <li>of auxiliary contacts typical</li> </ul>	100 000
electrical endurance (operating cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
SVHC substance name	Lead - 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
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	4.5 6.3 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	operational current rated value	6.3 A
## AC-3 at 400 V rated value	· ·	
### AIC-Ge at 400 V rated value   5.3 A		6.3 A
Committed   Comm		
## at AC3		
at 400 V rated value		1.5 kW
- at 500 V rated value		
■ at AC-Os		
		TAV
		1.5 kW
- at 600 V rated value 4 kW  operating frequency  • at AC-3e maximum 15 1/h  • at AC-3e maximum 15 1/h  Auxillary circuit  design of the auxillary switch laterally number of NC contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0 number of CO contacts for auxillary contacts 0  operational current of auxillary contacts at AC-15 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current of auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at DC-13 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for auxillary contacts at AC-15 • at 24 V 1.5 A  operational current for a		
operating frequency  at AC-3 maximum  tal ac-3 m		
e at AC-3 maximum 15 1/h 15 1/		7 (1)
a tAC-3e maximum  Auxillary screut  design of the auxillary switch  number of NC contacts for auxillary contacts  number of NO contacts for auxillary contacts  operational current of auxillary contacts  at 24 V  at 230 V  star 24 V  toperational current of auxillary contacts at AC-15  at 230 V  star 24 V  toperational current of auxillary contacts at DC-13  at 24 V  at 250 V  operational current of auxillary contacts at DC-13  at 24 V  protective and monitoring functions  product function  ground fault detection  product function  ground fault detection  yes  trip class  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (fcu)  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at AC at 400 V rated value  at AC at 560 V rated value  at 460 V rated value		15 1/h
Auxiliary circuit  design of the auxiliary switch number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  number of CO contacts for auxiliary contacts  at 24 V  at 230 V  operational current of auxiliary contacts at AC-15  at 24 V  1.5 A  at 24 V  operational current of nuxiliary contacts at DC-13  at 24 V  operational current of nuxiliary contacts at DC-13  at 24 V  operational current of nuxiliary contacts at DC-13  at 24 V  operational current of nuxiliary contacts at DC-13  at 24 V  protective and monitoring functions  product function  ground fault detection  ves  trip class  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (lcu)  at AC at 240 V rated value  at AC at 500 V rated value  at 400 V rated value  at 600 V rate		
design of the auxiliary switch number of NC contacts for auxiliary contacts 0 number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts 4 24 V 4 1.5 A operational current of auxiliary contacts at AC-15 4 24 2 V 5 1.5 A operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 V 7 1.5 A Operational current of auxiliary contacts at DC-13 4 24 C at 40 V rated value 5 100 kA 5 100 kA 5 100 kA 6 100 kA 7 100		
number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  operational current of auxiliary contacts  at 24 V 1.5 A  operational current of auxiliary contacts at AC-15  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  at 24 V 1.5 A  operational fautification  yes  CLASS 10  design of the overload release 1.5 CLASS 10  design of the overload release 1.5 CLASS 10  design of the overload release 1.5 OLASS 10  design of the overload 1.5 OLASS 10  design o		laterally
number of NO contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15		·
number of CO contacts for auxillary contacts a AC-15		
operational current of auxiliary contacts at AC-15  • at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  • at 24 V 1.5 A  operational current of auxiliary contacts at DC-13  • at 24 V 1.6  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 400 V rated value 100 kA  • at AC at 400 V rated value 100 kA  • at AC at 550 V rated value 100 kA  • at AC at 550 V rated value 100 kA  • at 40 V rated value 100 kA  • at 400 V rated value 500 kA  • at 400 V rated value 400 kA  • at 400 V rated value 500 kA  • at 400 V rated value 63 A  • at 600 V rated value 63 A  • at 600 V rated value 63 A  • at 600 V rated value 63 A  • at 400 V rated value 63 A  • at 600 V rated value 63 A  • at 600 V rated value 700 kB  • at 400 V rated value 700 kB  •	-	
	•	15 /
operational current of auxiliary contacts at DC-13  a at 24 V  Protective and monitoring functions  product function  ground fault detection  for ground fault detection  ophase 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  100 kA  at AC at 500 V rated value  100 kA  at AC at 690 V rated value  6 kA  operating short-circuit current breaking capacity (Ics) at AC  at 400 V rated value  100 kA  at 690 V rated value  100 kA  at 480 V rated value  100 kA  20 kA  40 kA  20 kB  DU/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  20 kB  at 600 V rated value  20 kB  at 600 V rated value  20 kB  at 600 V rated value  30 kB  40 kB  4		
• at 24 V  Protective and monitoring functions  product function  • ground fault detection  • pround fault detection  Yes  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 500 V rated value  • at AC at 500 V rated value  • at 240 V rated value  • at 240 V rated value  • at 400 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 600 V rated value  • at 480 V rated value  • at 480 V rated value  • at 240 V rated value  • at 240 V rated value  • at 500 V rated value  • at 500 V rated value  • at 500 V rated value  • at 240 V rated value  • at 460 V rated value  • at 250 V rated value  • at 460 V rated value  • at 250 V r		1.5 A
Protective and monitoring functions  product function  • ground fault detection  • ground fault detection  • phase failure detection  Ves  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 4500 V rated value  • at AC at 5500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at 400 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 480 V rated value  • at 300 V rated value  • at 220/230 V rated value  • at 220/230 V rated value  • at 220/230 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  • for 3-phase AC motor  — at 220/230 V rated value  • at 60/480 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 675/600 V rated value  — at 675/600 V rated value  — at 675/600 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  — 5 hp	•	1 Λ
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 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 AC at 690 V rated value  • at 400 V rated value  • at 240 V rated value  • at 240 V rated value  • at 400 V rated value  • at 400 V rated value  • at 260 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 380 V rated value  • at 480 V rated value  • at 380 V rated value  • at 380 V rated value  • at 380 V rated value  • at 290 V rated value  • at 290 V rated value  • 100 kA  • at 600 V rated value  • 3 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • 0.5 hp  • for 3-phase AC motor  — at 200/208 V rated value  • 1 hp  — at 220/230 V rated value  — at 220/230 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  3 hp  — at 575/600 V rated value  5 hp		TA
• ground fault detection • phase failure detection • phase failure detection • phase failure detection  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 500 V rated value • at AC at 699 V rated value • at AC at 699 V rated value • at 240 V rated value • at 240 V rated value • at 240 V rated value • at 2500 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 100 kA • at 690 V rated value • at 220 V rated value • at 300 V rated value • at 300 V rated value • at 480 V rated value • at 200 V rated value • 5 fp  — at 200 V rated value • 1 hp  — at 220/230 V rated value • 1.5 hp  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  5 hp		
• phase failure detection  trip class	·	No
trip class  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 AC at 690 V rated value • at 240 V rated value • at 500 V rated value • at 690 V rated value • at 890 V rated value • at 890 V rated value • at 890 V rated value • at 690 V rated value • at 890 V rated value • at 890 V rated value • at 480 V rated value • at 480 V rated value • at 2400 V rated value • at 250 V rated value • at 250 V rated value • 5 hp  - at 2600 V rated value - at 2700/208 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - 5 hp	-	
design of the overload release maximum short-circuit current breaking capacity (Icu)  • at AC at 24 0 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 AC at 690 V rated value • at AC at 400 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 480 V rated value • at 690 V rated value • at 200 V rated value • at 690 V rated value • at 200 V rated value • at 690 V rated value • at 200 V rated value • at 595 Fbp • at 460 V rated value • at 595 Fbp • at 460 V rated value • at 595 Fbp • at 575 Fbp • bp		
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 240 V rated value • at 240 V rated value • at 240 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 240 V rated value • at 240 V rated value • at 240 V rated value • 5.3 A  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 230 V rated value • 1.5 hp • at 220/230 V rated value • 1.5 hp • at 460/480 V rated value • 3 hp • at 675/600 V rated value • 5 hp		
■ 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 240 V rated value     ■ at 400 V rated value     ■ at 500 V rated value     ■ at 500 V rated value     ■ at 690 V rated value     ■ at 600 V rated value     ■ at 700 V rated value     ■ at 700 V rated value     ■ at 230 V rated value     ■ at 220/230 V rated value     ■ at 460/480 V rated value     ■ at 460/480 V rated value     □ at 575/600 V rated value     □ 5 hp		undining.
<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>6 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 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>at 600 V rated value</li> <li>at 700 V rated value</li> <li>at 200 V rated value</li> <li>at 5 bp</li> <li>at 460 V rated value</li> <li>at 460 V rated value</li> <li>at 575/600 V rated value</li> <li>5 bp</li> </ul>		100 kA
■ at AC at 500 V rated value     ■ at AC at 690 V rated value     ■ at AC at 690 V rated value     ■ at 240 V rated value     ■ at 240 V rated value     ■ at 400 V rated value     ■ at 690 V rated value     □ at 800 V rated value     □ at 480 V rated value     ■ at 480 V rated value     ■ at 600 V rated value     ■ at 100 V rated value     ■ at 600 V rated value     ■ at 110/120 V rated value     □ at 230 V rated value     ■ at 230/238 V rated value     □ at 240/480 V rated value     □ at 2575/600 V rated value     □ at 460/480 V rated value     □ at 460/480 V rated value     □ at 575/600 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  • 6.3 A  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  • for 3-phase AC motor  — at 200/208 V rated value  • 1 hp  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  5 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  ULCSA 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 • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value 1 hp — at 220/230 V rated value — at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp		
<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> <li>at 4kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>82 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>6.3 A</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>0.5 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>1 hp</li> <li>at 200/208 V rated value</li> <li>1.5 hp</li> <li>at 460/480 V rated value</li> <li>3 hp</li> <li>at 575/600 V rated value</li> <li>5 hp</li> </ul>		
■ at 400 V rated value     ■ at 500 V rated value     ■ at 690 V rated value     ■ at 690 V rated value     ■ at 690 V rated value  response value current of instantaneous short-circuit trip unit  82 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor     ■ at 480 V rated value     ■ at 600 V rated value     ■ at 600 V rated value     ■ at 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 220/208 V rated value     ■ at 220/230 V rated value     ■ at 460/480 V rated value     ■ at 460/480 V rated value     ■ at 575/600 V rated value     ■ at 575/600 V rated value     ■ 5 hp		100 kA
■ at 500 V rated value     ■ at 690 V rated value     ■ at 690 V rated value  response value current of instantaneous short-circuit trip unit  82 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor     ■ at 480 V rated value     ■ at 600 V rated value     ■ at 600 V rated value     ■ at 100120 V rated value     ■ for single-phase AC motor     ■ at 110/120 V rated value     ■ at 230 V rated value     ■ at 230 V rated value     ■ for 3-phase AC motor     ■ at 220/230 V rated value     ■ at 220/230 V rated value     ■ at 460/480 V rated value     ■ at 460/480 V rated value     ■ at 460/480 V rated value     ■ at 575/600 V rated value     ■ 5 hp		
at 690 V rated value  response value current of instantaneous short-circuit trip unit  ### MIL/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  of or 3-phase AC motor  at 200/208 V rated value  at 200/208 V rated value  at 220/230 V rated value  at 460/480 V rated value  at 460/480 V rated value  at 575/600 V rated value  5 hp		
response value current of instantaneous short-circuit trip unit  ### ULI/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  ### o.25 hp  ### at 230 V rated value  ### o.5 hp  ### for 3-phase AC motor  ### at 200/208 V rated value  ### at 200/208 V rated value  ### at 200/230 V rated value  ### at 460/480 V rated value  ### at 460/480 V rated value  #### at 575/600 V rated value  #### at 575/600 V rated value  #### 5 hp		
## DUL/CSA ratings    full-load current (FLA) for 3-phase AC motor   • at 480 V rated value		
full-load current (FLA) for 3-phase AC motor         ● at 480 V rated value       6.3 A         ● at 600 V rated value       6.3 A         yielded mechanical performance [hp] <ul> <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>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> <li>5 hp</li> </ul>		
<ul> <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 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>bhp</li> </ul>		
■ at 600 V rated value        yielded mechanical performance [hp]      ■ for single-phase AC motor		6.3 A
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 0.25 hp  — at 230 V rated value 0.5 hp  • for 3-phase AC motor  — at 200/208 V rated value 1 hp  — at 220/230 V rated value 1.5 hp  — at 460/480 V rated value 3 hp  — at 575/600 V rated value 5 hp		
<ul> <li>for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value         <ul> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value             <ul> <li>1 hp</li> <li>at 220/230 V rated value                   <ul> <li>1.5 hp</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>5 hp</li> <li>at 575/600 V rated value</li> <li>5 hp</li> <li>5 hp</li></ul></li></ul></li></ul></li></ul>		0.07
<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>— at 575/600 V rated value</li> <li>5 hp</li> </ul>		
<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>— at 575/600 V rated value</li> <li>5 hp</li> </ul>		0.25 hp
● for 3-phase AC motor  — at 200/208 V rated value 1 hp  — at 220/230 V rated value 1.5 hp  — at 460/480 V rated value 3 hp  — at 575/600 V rated value 5 hp		·
- at 200/208 V rated value 1 hp - at 220/230 V rated value 1.5 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp		5.5 np
— at 220/230 V rated value       1.5 hp         — at 460/480 V rated value       3 hp         — at 575/600 V rated value       5 hp	·	1 hn
— at 460/480 V rated value       3 hp         — at 575/600 V rated value       5 hp		
— at 575/600 V rated value 5 hp		
·		
CONTROL TRUNG OF SUVUISTY CONTROLS SCOTTING TO 12		
contact rating of auxiliary contacts according to UL C600 / R300  Short-circuit protection		C000 / K300

product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link	<u> </u>
for short-circuit protection of the auxiliary switch required	fuse gL/gG: 6 A, quick: 10 A
design of the fuse link for IT network for short-circuit protection of the main circuit	
● at 400 V	gL/gG 50 A
● at 500 V	gL/gG 40 A
● at 690 V	gL/gG 35 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	97 mm
width	65 mm
depth	97 mm
required spacing	
with side-by-side mounting at the side	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
• for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
• for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (0,75 2,5 mm²), 2x 4 mm²
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for AWG cables for main contacts	2x (18 14), 2x 12
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	27 (0.5 1.5 11111 ), 27 (0.75 2.5 11111 )

tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
• for main contacts	M3
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Safety related data	
product function suitable for safety function	Yes
suitability for use	
<ul> <li>safety-related switching on</li> </ul>	No
<ul> <li>safety-related switching OFF</li> </ul>	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	10 a
Electrical Safety	
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	
display version for switching status	Handle
Approvals Certificates	
General Product Approval	

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

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Miscellaneous

other

Confirmation



Railway

Environment







## Further information

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=3RV2111-1GA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2111-1GA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2111-1GA10

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

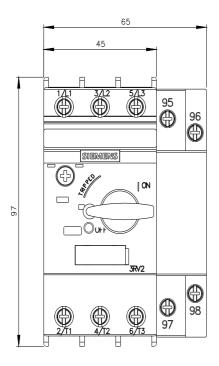
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2111-1GA10&lang=en

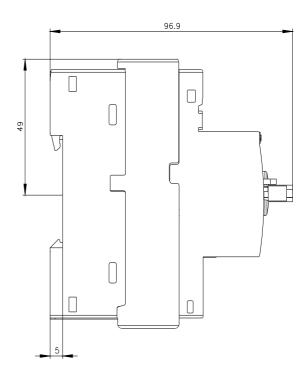
Characteristic: Tripping characteristics, I²t, Let-through current

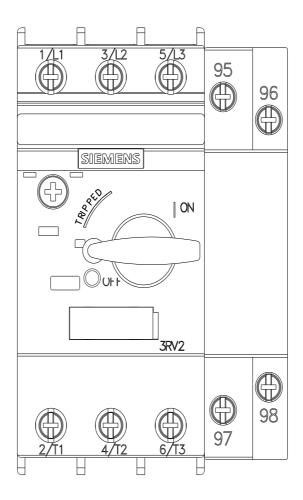
https://support.industry.siemens.com/cs/ww/en/ps/3RV2111-1GA10/char

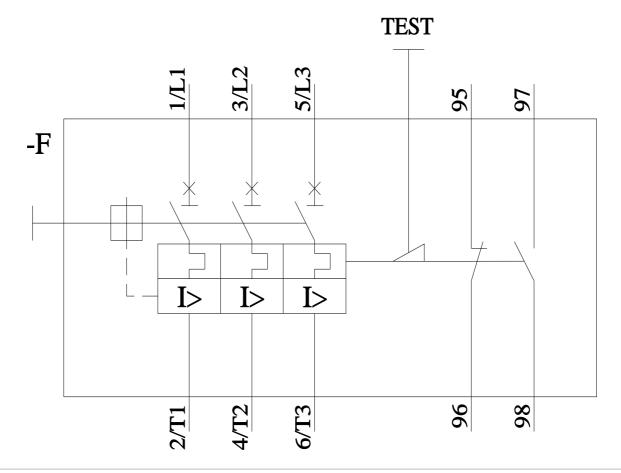
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2111-1GA10&objecttype=14&gridview=view1









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