## **SIEMENS**

Data sheet 3RV1011-1GA15



Circuit breaker size S00 for motor protection, CLASS 10 A-release 4.5...6.3 A N-release 82 A Screw terminal Standard switching capacity with transverse auxiliary switch 1 NO+1 NC

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	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
mechanical service life (switching cycles)	
<ul> <li>of the main contacts typical</li> </ul>	100 000
of auxiliary contacts typical	100 000
electrical endurance (switching cycles) typical	100 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/01/2013
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
motaliation difficace at neight above sea level maximum	
ambient temperature	***
	-20 +60 °C
ambient temperature	
ambient temperature • during operation	-20 +60 °C
<ul><li>ambient temperature</li><li>during operation</li><li>during storage</li></ul>	-20 +60 °C -50 +80 °C
<ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 +60 °C -50 +80 °C -50 +80 °C
<ul> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>relative humidity during operation</li> </ul>	-20 +60 °C -50 +80 °C -50 +80 °C
ambient temperature	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
ambient temperature	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
ambient temperature     • during operation     • during storage     • during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 %
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 4.5 6.3 A
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 4.5 6.3 A
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 4.5 6.3 A 20 690 V 690 V
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operating frequency rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 4.5 6.3 A 20 690 V 690 V 690 V 50 60 Hz
ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operating frequency rated value  operational current rated value	-20 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 4.5 6.3 A 20 690 V 690 V 690 V 50 60 Hz

- at 230 V rated value		
	operating power	
at 980 V rated value	— at 400 V rated value	
	— at 500 V rated value	3 kW
at 230 V rated value	— at 690 V rated value	5.5 kW
	• at AC-3e	
— at 500 V rated value 5.5 kW  operating frequency  • at AC-3 maximum 15 1/h • at AC-3 maximum 15 1/h  Auxiliary circuit  design of the auxiliary switch 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	— at 230 V rated value	1.5 kW
	— at 400 V rated value	2.2 kW
operating frequency	— at 500 V rated value	3 kW
e at AC-3 maximum et AC-3e maximum 15 1/h  Auxiliary crient  design of the auxiliary switch unmber 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 CO contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 2 n entry 12 n et 24 V et 110 V 2 A et 110 V 2 A et 1120 V 2 A et 126 V 2 A et 127 V 2 A et 127 V 2 A et 128	— at 690 V rated value	5.5 kW
auxiliary circuit  design of the auxiliary switch number of NC contacts for auxiliary contacts	operating frequency	
Auxiliary circuit   design of the auxiliary switch   transverse	<ul><li>at AC-3 maximum</li></ul>	15 1/h
design of the auxiliary switch   transverse	• at AC-3e maximum	15 1/h
number of NC contacts for auxiliary contacts   1	Auxiliary circuit	
• note   1	design of the auxiliary switch	transverse
number of NO contacts for auxiliary contacts	number of NC contacts for auxiliary contacts	1
• note   1 number of CO contacts for auxiliary contacts   0 operational current of auxiliary contacts at AC-15 • at 24 V	• note	1
number of CO contacts for auxiliary contacts  operational current of auxiliary contacts at AC-15  at 24	number of NO contacts for auxiliary contacts	1
Operational current of auxiliary contacts at AC-15     • at 24 V	• note	1
Operational current of auxiliary contacts at AC-15     • at 24 V	number of CO contacts for auxiliary contacts	0
at 120 V     at 125 V     at 230 V     operational current of auxiliary contacts at DC-13     at 24 V     at 60 V     O.15 A  Protective and monitoring functions  product function     ground fault detection     ophase failure detection     ftrip class  design of the overload release  broaking capacity maximum short-circuit current (Icu)     at AC at 240 V rated value     at AC at 400 V rated value     at AC at 400 V rated value     at AC at 500 V rated value     at AC at 690 V rated value     at AC at 690 V rated value     at AC at 400 V rated value     at 500 V rated value     at 600 V rated value     at 60		2 A
	● at 110 V	2 A
• at 230 V  operational current of auxiliary contacts at DC-13 • at 24 V • at 60 V 0.15 A  Protective and monitoring functions  product function • ground fault detection • phase failure detection • phase failure detection • at Cat 240 V rated value • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at 800 V rated value • 6.3 A  yielded mechanical performance [hp] • for single-phase AC motor • at 110/120 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	• at 120 V	2 A
operational current of auxiliary contacts at DC-13  • at 24 V	• at 125 V	2 A
• at 24 V	• at 230 V	0.5 A
• at 24 V	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  • product function  • phase failure detection  • product function  • phase failure detection  trip class  CLASS 10  design of the overload release  breaking capacity maximum short-circuit current (Icu)  • 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 690 V rated value  • at AC at 500 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 600 V rated value  • at 600 V rated value  • at 600 V rated value  • at 800 V rated value  • at 800 V rated value  • at 480 V rated value  • at 280 V rated value  • at 280 V rated value  • at 380 V rated value  • 6.3 A   yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 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  • 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  • 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  • for 3-phase AC motor  — at 200/208 V rated value  • for 3-phase AC motor		1 A
product function  • ground fault detection • phase failure detection Yes  trip class design of the overload release breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 240 V rated value • at AC at 240 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 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 230 V rated value • 6.3 A  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 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	a at 60 V	0.15.4
product function  • ground fault detection • phase failure detection Yes  trip class design of the overload release breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 240 V rated value • at AC at 240 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 400 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 480 V rated value • at 230 V rated value • 6.3 A  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 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	■ al ou v	0.13 A
• ground fault detection • phase failure detection Yes  trip class CLASS 10  design of the overload release breaking capacity maximum short-circuit current (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • 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 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 600 V rated value • at 400 V rated value • at 200 V rated value • at 200 V rated value • 6.3 A  yielded mechanical performance [hp] • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value • for 3-phase AC motor — at 200/208 V rated value		0.15 A
phase failure detection  trip class  design of the overload release  breaking capacity maximum short-circuit current (Icu)  at AC at 240 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value  breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value  100 kA  at 400 V rated value  100 kA  at 400 V rated value  2 kA  breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value  2 kA  at 690 V rated value  2 kA  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  6.3 A  at 600 V rated value  6.3 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 230 V rated value  0.5 hp  for 3-phase AC motor  — at 230 V rated value  1 hp	Protective and monitoring functions	0.15 A
trip class  design of the overload release  breaking capacity maximum short-circuit current (Icu)  • at AC at 240 V rated value  • at AC at 500 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 300 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 240 V rated value  • at 240 V rated value  • at 250 V rated value  • at 300 V rated value  • at 230 V rated value	Protective and monitoring functions product function	
breaking capacity maximum short-circuit current (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  breaking capacity operating short-circuit current (Ics) at AC  • at 240 V rated value  • at 240 V rated value  • at 500 V rated value  • at 500 V rated value  • at 690 V rated value  • at 480 V rated value  • at 600 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 230 V rated value  • o.3 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • at 230 V rated value  • o.5 hp  • for 3-phase AC motor  — at 200/208 V rated value  • the for 3-phase AC motor  — at 200/208 V rated value  • o.5 hp	Protective and monitoring functions  product function  • ground fault detection	No
breaking capacity maximum short-circuit current (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  breaking capacity operating short-circuit current (Ics) at AC  • at 240 V rated value  • at 240 V rated value  • at 500 V rated value  • at 500 V rated value  • at 690 V rated value  • at 480 V rated value  • at 600 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 230 V rated value  • o.3 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • at 230 V rated value  • o.5 hp  • for 3-phase AC motor  — at 200/208 V rated value  • the for 3-phase AC motor  — at 200/208 V rated value  • o.5 hp	Protective and monitoring functions  product function  • ground fault detection  • phase failure detection	No Yes
<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>at AC at 690 V rated value</li> <li>breaking capacity operating short-circuit current (Ics) at AC</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 500 V rated value</li> <li>at 690 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>at 600 V rated value</li> <li>at 700 V rated value</li> <li>at 700 V rated value</li> <li>at 200 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 200 V rated value</li> </ul>	Protective and monitoring functions  product function	No Yes CLASS 10
<ul> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>2 kA</li> <li>breaking capacity operating short-circuit current (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 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 10/120 V rated value</li> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>at 200/208 V rated value</li> <li>1 hp</li> </ul>	Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  trip class  design of the overload release	No Yes CLASS 10
at AC at 690 V rated value  breaking capacity operating short-circuit current (Ics) at AC  at 240 V rated value  at 400 V rated value  at 500 V rated value  at 690 V rated value  at 690 V rated value  at 690 V rated value  breaking capacity operating short-circuit trip unit  breaking capacity operating short-circuit trip at kapacity short capacity short capacit	Protective and monitoring functions  product function	No Yes CLASS 10 thermal
breaking capacity operating short-circuit current (Ics) at AC  • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • 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 • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value  • for 3-phase AC motor — at 200/208 V rated value  • 1 hp	Protective and monitoring functions  product function	No Yes CLASS 10 thermal
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  • at 600 V rated value  • at 100/120 V rated value  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • 1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA
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  • at 600 V rated value  • at 100/120 V rated value  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • 1 hp	Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  trip class  design of the overload release  breaking capacity maximum short-circuit current (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value	No Yes CLASS 10 thermal  100 kA 100 kA 3 kA
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>z kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <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>o.25 hp</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>1 hp</li> </ul> </li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 3 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>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>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>- at 1230 V rated value</li> <li>o.25 hp</li> <li>for 3-phase AC motor</li> <li>at 230 V rated value</li> <li>o.5 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 3 kA
<ul> <li>at 690 V rated value</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor <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 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>1 hp</li> </ul> </li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA
response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value • for single-phase AC motor  — at 110/120 V rated value • for 3-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value 1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA
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  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA
### Comparison of Comparison o	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 3 kA
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 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>6.3 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>1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA
<ul> <li>at 600 V rated value</li> <li>6.3 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>o.5 hp</li> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA
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  1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA
<ul> <li>for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  of 3-phase AC motor  — at 200/208 V rated value  1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 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>1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 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>1 hp</li> </ul>	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 A
for 3-phase AC motor     at 200/208 V rated value     1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 A 6.3 A
— at 200/208 V rated value 1 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 A 6.3 A 6.3 A
	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 A 6.3 A 6.3 A
— at 220/230 V rated value 1.5 hp	product function	No Yes CLASS 10 thermal  100 kA 100 kA 2 kA  100 kA 100 kA 2 kA  6.3 A 6.3 A 6.3 A
	product function	No Yes CLASS 10 thermal  100 kA 100 kA 3 kA 2 kA  100 kA 3 kA 2 kA  6.3 A 6.3 A 6.3 A 0.25 hp 0.5 hp

<ul> <li>at 460/480 V rated value</li> </ul>	3 hp
— at 575/600 V rated value	5 hp
contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link	
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse 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	none required
• at 400 V	gL/gG 50 A
● at 500 V	gL/gG 40 A
• at 690 V	gL/gG 40 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
height	90 mm
width	45 mm
depth	75 mm
required spacing	
• for grounded parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for grounded parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	<b>~</b>
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for grounded parts at 690 V	3 11111
— downwards	20 mm
— upwards	20 mm
— upwards — backwards	0 mm
— at the side	9 mm
— at the side — forwards	0 mm
for live parts at 690 V	V IIIII
— downwards	20 mm
— upwards	20 mm
— upwards — backwards	0 mm
— backwards — at the side	0 mm 9 mm
— at the side — forwards	9 mm
	V IIIIII
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 circuit	Top and bottom
type of connectable conductor cross-sections	
<ul><li>for main contacts</li></ul>	
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)

type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
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
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
<ul> <li>for main contacts</li> </ul>	M3
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Safety related data	
B10 value	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	5 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	50 %
failure rate [FIT]	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	50 FIT
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	Rocker switch
display version for switching states	

General Product Approval

For use in hazardous locations



Confirmation









For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping







Type Test Certificates/Test Report

Special Test Certificate



## Marine / Shipping













other

Railway

Confirmation

**Miscellaneous** 



Special Test Certificate

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1GA15

## Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1GA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1GA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV1011-1GA15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1GA15/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1GA15&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1GA15&objecttype=14&gridview=view1</a>

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