## SIEMENS

## Data sheet

## 3RV2111-1DA10



Circuit breaker size S00 for motor protection, CLASS 10 with overload relay function A-release 2.2...3.2 A N release 42 A screw terminal Standard switching capacity

4/02 6/73		
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		
<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	
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	
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	
<ul> <li>during transport</li> </ul>	-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	2.2 3.2 A	
operating voltage		
rated value	20 690 V	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V	
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V	
operating frequency rated value	50 60 Hz	
operational current rated value	3.2 A	
operational current		
<ul> <li>at AC-3 at 400 V rated value</li> </ul>	3.2 A	
<ul> <li>at AC-3e at 400 V rated value</li> </ul>	3.2 A	
operating power		

	• at AC-3	
		0.6 kW
	— at 400 V rated value	1.1 kW
	— at 500 V rated value	1.5 kW
	— at 690 V rated value	2.2 kW
	• at AC-3e	
	— at 230 V rated value	0.6 kW
	— at 400 V rated value	1.1 kW
operating frequency         is 1AO-3e maximum           is 1AO-3e maximum         15 1/h           Auxinary circuit         isterally           design of the auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operational current of auxiliary contacts         0           operational current of auxiliary contacts at AC-15         is 12 AV           is 12 AV         1.5 A           operational current of auxiliary contacts at DC-13         is 2.4 V           is 2.4 V         1.4           Protective and montoring functions         No           operational current of auxiliary contacts at DC-13         is 2.4 V           is 2.4 V         1.4           Protective and montoring functions         No           optact fault detection         Yes           is 2.6 V         1.0 KA           at AC at 400 V rated value         100 KA           is AC at 240 V rated value         100 KA           is AC at 600 V rated value         100 KA           is AC at 600 V rated value         100 KA           is AC at 600 V rated value         100 KA           is AC at 600 V rated value         100 KA           is 4.6 C V rated value         100 KA           is 4.6 C V rat	— at 500 V rated value	1.5 kW
• at AC-3 maximum       15 1/h         Auxiliary circuit       Isterally         design of the auxiliary switch       Isterally         number of NG contacts for auxillary contacts       0         number of NG contacts for auxillary contacts       0         operational current of auxiliary contacts at AC-15       •         • at 24 V       15 A         • at 230 V       15 A         • at 24 V       16 A         • product function       No         • at Ac at 40 V rated value       100 KA         • at Ac at 600 V rated value       100 KA         • at Ac at 600 V rated value       100 KA         • at 240 V rated value       10 KA         • at 240 V rated value       22 A	— at 690 V rated value	2.2 kW
• at AC-3 maximum       15 1/h         Auxiliary circuit       Isterally         design of the auxiliary switch       Isterally         number of NG contacts for auxillary contacts       0         number of NG contacts for auxillary contacts       0         operational current of auxiliary contacts at AC-15       •         • at 24 V       15 A         • at 230 V       15 A         • at 24 V       16 A         • product function       No         • at Ac at 40 V rated value       100 KA         • at Ac at 600 V rated value       100 KA         • at Ac at 600 V rated value       100 KA         • at 240 V rated value       10 KA         • at 240 V rated value       22 A	operating frequency	
• at AC-3e maximum       15 1/h         Auxiliary checut       Isterally         design of the auxiliary switch       Isterally         number of NC contacts for auxiliary contacts       0         number of CO contacts for auxiliary contacts       0         operational current of auxiliary contacts at AC-15       0         • at 24 V       1.5 A         • at 24 V       1.6         • at 24 V       1.6         • ground fault detection       Yes         ropout function       No         • ground fault detection       Yes         trip class       CLASS 10         design of the overload release       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 400 V rated value       100 kA         • at AC at 900 V rated value       100 kA         • at 240 V rated value       100 kA		15 1/h
Auxiliary circuit         laterally           design of the auxiliary switch number of NC contacts for auxiliary contacts         0           number of NC contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         15.A           • at 24 V         15.A           • at 24 V         15.A           • at 24 V         1.A           Protect function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         themal           maximum short-circuit current breaking capacity (lcu)         • at AC at 240 V rated value           • at AC at 240 V rated value         100 kA           • at AC at 240 V rated value         100 kA           • at AC at 240 V rated value         100 kA           • at AC at 240 V rated value         100 kA           • at AC at 240 V rated value         100 kA           • at AC at 260 V rated value         100 kA           • at 240 V rated value         100 kA           • at 240 V rated value         100 kA           • at 240 V rated value         100 kA           • at 400 V rated value         100 kA           • at 400 V rated value         100 kA		
design of the auxiliary switch     laterally       number of NC contacts for auxiliary contacts     0       number of NO contacts for auxiliary contacts     0       operational current of auxiliary contacts at AC-15     • at 24 V       • at 230 V     1.5 A       • at 24 V     1.6       Protective and monitoring functions     Vestore       product function     No       • pront fault detection     Yes       rip class     CLASS 10       thermal     100 kA       • at AC at 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at 400 V rated value     00 kA       • at 400 V rated value     100 kA       • at 400 V rated value     32 A       • at 400 V rated value     0.1 hp       • a		
number of NC contacts for auxiliary contacts 0 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • at 24 V 15.A • at 23 V 15.A • at 23 V 15.A • at 24 V 16.C Product function • product functions • product functions • product function • product function • product function • product function • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 240 V rated value • at AC at 500 V rated value • at 4C at 500 V rated val		
number of NO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         0           • at 23 V         1.5 A           • at 23 V         1.5 A           • at 24 V         1.4           Protective and monitoring functions         1           product function         NO           • et 24 V         1.A           Protective and monitoring functions         NO           • prime failure detection         Yes           • orgoand fault detection         Yes           • at AC at 400 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 400 V rated value         100 KA           • at AC at 500 V rated value         100 KA           • at AC at 500 V rated value         100 KA           • at AC at 500 V rated value         100 KA           • at 240 V rated value         10 KA           • at 600 V rated value         2.A		
number of CO contacts for auxiliary contacts at AC-15         0           • at 24 V         1.5 A           • at 23 V         1.5 A           • at 23 V         1.5 A           • at 24 V         1.4           Protective and monitoring functions         1           product function         Yes           • 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           • at AC at 240 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at 400 V rated value         100 kA           • at 400 V rated value         100 kA           • at 400 V rated value         100 kA           • at 800 V rated value         100 kA           • at 800 V rated value         10 kA           • at 800 V rated value         00 kA           • at 600 V rated value         3.2 A		
operational current of auxiliary contacts at AC-15              i. 5.A	-	0
	number of CO contacts for auxiliary contacts	0
• at 230 ∨         1.5 Å           operational current of auxiliary contacts at DC-13         1 Å           Protective and monitoring functions         1 Å           product function         No           • product function         Ves           • product function         Ves           • product function         Yes           • product function         Ves           • product function         Ves           • at AC at 240 V rated value         100 kA           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         100 kA           • at AC at 600 V rated value         100 kA           • at AC at 600 V rated value         100 kA           • at AC at 700 V rated value         100 kA           • at AC at 700 V rated value         100 kA           • at AC at 700 V rated value         100 kA           • at 400 V rated value         100 kA           • at 600 V rated value         0.0 kA           • at 600 V rated value         0.2 A           • at 600 V rated value         0.2 A           • at 600	operational current of auxiliary contacts at AC-15	
operational current of auxiliary contacts at DC-13       in A         • at 24 V       1 A         Protective and monitoring functions       in A         product function       No         • proves failure detection       Yes         class       CLASS 10         design of the overload release       thermal         maximum short-circuit current breaking capacity (Icu)       it AC at 240 V rated value         • at AC at 400 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 400 V rated value       100 kA         • at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 600 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 100 V rated value       3.2 A         • at 100 V rated value       3.2 A         • at 200 V rated value       0.25 hp         • at 200 V rated value       0.25 hp         • at 300 V rated value       0.5 hp </td <td>• at 24 V</td> <td>1.5 A</td>	• at 24 V	1.5 A
• at 24 V     1 A       Protective and monitoring functions       product function       • ground fault detection     No       • phase failure detection     Yes       tip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (Lou)     100 kA       • at AC at 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC or table V rated value     100 kA       • at AO V rated value     100 kA       • at AO V rated value     100 kA       • at 600 V rated value     32 A       yielded mechanical performance [tp]       • for single-phase AC motor       - at 200/208 V rated value     0.1 hp       - at 200/208 V rated value     0.5 hp       - at 200/208 V rated value     0.5 hp       - at 460/480 V rated value     2 hp       - at 600 V rated value     2 hp       - at 200/208 V rated value <td< td=""><td>• at 230 V</td><td>1.5 A</td></td<>	• at 230 V	1.5 A
• at 24 V     1 A       Protective and monitoring functions       product function       • ground fault detection     No       • phase failure detection     Yes       tip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (Lou)     100 kA       • at AC at 400 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC or table V rated value     100 kA       • at AO V rated value     100 kA       • at AO V rated value     100 kA       • at 600 V rated value     32 A       yielded mechanical performance [tp]       • for single-phase AC motor       - at 200/208 V rated value     0.1 hp       - at 200/208 V rated value     0.5 hp       - at 200/208 V rated value     0.5 hp       - at 460/480 V rated value     2 hp       - at 600 V rated value     2 hp       - at 200/208 V rated value <td< td=""><td>operational current of auxiliary contacts at DC-13</td><td></td></td<>	operational current of auxiliary contacts at DC-13	
product function     • ground fault detection     No       • product function     Yes       trip class     CLASS 10       design of the overload release     thermal       maximum short-circuit current breaking capacity (Icu)     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AO v rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     3.2 A       • at 800 V rated value     0.1 hp       • at 800 V rated value     0.25 hp       • at 200/208 V rated value     0.5 hp       • at 200/208 V rated value     0.75 hp       • at 200/208 V rated value     2 hp       • at 200/208 V rat		1 A
product function     • ground fault detection     No       • product function     Yes       trip class     CLASS 10       thermal     thermal       maximum short-circuit current breaking capacity (Icu)     • at AC at 240 V rated value     100 kA       • at AC at 240 V rated value     100 kA     • at AC at 500 V rated value       • at AC at 500 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at AC at 600 V rated value     100 kA       • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     3.2 A       • at 600 V rated value     0.1 hp       • at 600 V rated value     0.25 hp       • at 300 V rated value     0.5 hp       • at 200/208 V rated value     0.75 hp       • at 200/208 V rated value     2 hp       • at 600 V rated value	Protective and monitoring functions	
<ul> <li>ground fault detection</li> <li>phase failure detection</li> <li>Yes</li> <li>cLASS 10</li> <li>design of the overload release</li> <li>thermal</li> <li>maximum short-circuit current breaking capacity (Icu)</li> <li>et AC at 240 V rated value</li> <li>100 kA</li> <li>et AC at 400 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AC at 630 V rated value</li> <li>100 kA</li> <li>et AO V rated value</li> <li>100 kA</li> <li>et at 90 V rated value</li> <li>22 A</li> <li>et at 90 V rated value</li> <li>32 A</li> <li>et at 90 V rated value</li> <li>32 A</li> <li>et at 90 V rated value</li> <li>22 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>- at 220/208 V rated value</li> <li>0.5 hp</li> <li>- at 220/208 V rated value</li> <li>25 hp</li> <li>- at 220/208 V rated value</li> <li>2 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> <li>Short-circuit protection</li> <li>et at 90 / Rate</li> <li>for short-circuit protection</li> <li>for short-circuit protection of the auxillary switch required</li></ul>		
	-	No
trip class       CLASS 10         the sign of the overload release       thermal         maximum short-circuit current breaking capacity (Icu)       100 kA         • at AC at 240 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at AC at 690 V rated value       100 kA         • at 600 V rated value       100 kA         • at 500 V rated value       100 kA         • at 500 V rated value       100 kA         • at 690 V rated value       10 kA         • at 690 V rated value       3.2 A         • at 690 V rated value       3.2 A         • at 690 V rated value       3.2 A         • at 690 V rated value       0.1 hp         - at 200208 V rated value       0.5 hp         • for 3-phase AC motor       -         - at 200208 V rated value       0.5 hp         - at 200208 V rated value       2 hp         - at 200208 V rated value       2 hp	-	
design of the overload release     thermal       maximum short-circuit current breaking capacity (Icu)     100 kA       • at AC at 240 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at AC at 690 V rated value     100 kA       • at AC at 690 V rated value     100 kA       • at AC at 500 V rated value     100 kA       • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 600 V rated value     3.2 A       • at 600 V rated value     3.2 A       • at 600 V rated value     0.25 hp       • for single-phase AC motor     0.25 hp       - at 200 V rated value     0.5 hp       - at 200208 V rated value     0.5 hp       - at 400480 V rated value     2 hp       - at 400480 V rated value     2 hp       - at 575600 V rated value     2 hp       - at 575600 V rated value     2 hp       - at 5757600 V rated value <td></td> <td></td>		
maximum short-circuit current breaking capacity (Icu)• at AC at 240 V rated value100 kA• at AC at 400 V rated value100 kA• at AC at 500 V rated value100 kA• at AC at 690 V rated value100 kA• at AC at 690 V rated value10 kA• at 240 V rated value100 kA• at 400 V rated value100 kA• at 400 V rated value100 kA• at 600 V rated value100 kA• at 600 V rated value10 kA• at 600 V rated value3.2 A• at 230 V rated value0.1 hp- at 110/120 V rated value0.1 hp- at 230 V rated value0.25 hp- at 230 V rated value0.5 hp- at 230 V rated value0.75 hp- at 400480 V rated value2. hp- at 220230 V rated value0.75 hp- at 400480 V rated value2. hp- at 400480 V rated value2. hp- at 575600 V rated value2. hp- at 6575600 V rated value2. hp- at 5075600 V rated value2. hp- at 6575600 V		
• at AC at 240 V rated value     100 kA       • 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     10 kA       • at AC at 600 V rated value     10 kA       • at AC at 00 V rated value     10 kA       • at AC at 00 V rated value     10 kA       • at 240 V rated value     100 kA       • at 200 V rated value     100 kA       • at 500 V rated value     100 kA       • at 600 V rated value     10 kA       • at 600 V rated value     10 kA       • at 600 V rated value     10 kA       • at 600 V rated value     3.2 A       yielded mechanical performance [hp]     •       • for single-phase AC motor     -       - at 200 V rated value     0.25 hp       - at 200208 V rated value     0.25 hp       - at 200208 V rated value     0.75 hp       - at 400480 V rated value     2 hp       - at 400480 V rated value     2 hp       - at 675/600 V rated value     2 hp       - at 675/600 V rated value     2 hp       - at 675/600 V rated value     2 hp	-	(leffild)
• at AC at 400 V rated value       100 kA         • at AC at 500 V rated value       100 kA         • at AC at 500 V rated value       10 kA         • at AC       100 kA         • at AC       100 kA         • at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 630 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       0.1 hp         - at 110/120 V rated value       0.1 hp         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       2 hp         - at 480 V rated value       2 hp         - at 400/480 V rated value       2 hp <td></td> <td>400 14</td>		400 14
• at AC at 500 V rated value     100 kA       • at AC at 680 V rated value     10 kA       operating short-circuit current breaking capacity (Ics) at AC     100 kA       • at 240 V rated value     100 kA       • at 600 V rated value     10 kA       response value current of instantaneous short-circuit trip unit     42 A       UL/CSA ratings       full-load current (FLA) for 3-phase AC motor       • at 600 V rated value     3.2 A       • at 600 V rated value     3.2 A       • at 600 V rated value     0.1 hp       - at 200 / 200 V rated value     0.1 hp       - at 200/200 V rated value     0.5 hp       - at 200/200 V rated value     0.5 hp       - at 40/400 V rated value     0.5 hp       - at 60/400 V rated value     0.75 hp       - at 60/400 V rated value     2 hp		
• at AC at 690 V rated value       10 kA         operating short-circuit current breaking capacity (Ics) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 600 V rated value       100 kA         response value current of instantaneous short-circuit trip unit       42 A <b>UL/CSA ratings</b>		
operating short-circuit current breaking capacity (lcs) at AC       100 kA         • at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 690 V rated value       10 kA         • at 690 V rated value       10 kA         response value current of instantaneous short-circuit trip unit       42 A         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 600 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       0.25 hp         • for single-phase AC motor       -         - at 10/120 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 60/400 V rated value       0.5 hp         - at 60/202 V rated value       0.75 hp         - at 60/400 V rated value       2 hp         - at 60/203 V rated value       0.75 hp         - at 60/203 V rated value       0.76 hp         - at 60/400 V rated value       2 hp         - at 60/400 V rated value		
at AC     • at 240 V rated value     100 kA       • at 400 V rated value     100 kA       • at 500 V rated value     100 kA       • at 690 V rated value     100 kA       • at 690 V rated value     10 kA       response value current of instantaneous short-circuit trip     42 A       UL/CSA ratings     42 A       full-load current (FLA) for 3-phase AC motor     3.2 A       • at 480 V rated value     3.2 A       • at 600 V rated value     3.2 A       • at 600 V rated value     0.1 hp       - at 110/120 V rated value     0.1 hp       - at 200/208 V rated value     0.25 hp       • for single-phase AC motor     -       - at 200/208 V rated value     0.5 hp       - at 200/208 V rated value     0.75 hp       - at 460/480 V rated value     2 hp       - at 460/480 V rated value     2 hp       - at 575/600 V rated value     2 hp       contact rating of auxiliary contacts according to UL     C600 / R300       Short-circuit protection     Yes       reduction short circuit protection     Yes       design of the short-circuit protection     Yes       design of the slink     fuse gL/gG: 6 A, quick: 10 A		10 kA
• at 240 V rated value       100 kA         • at 400 V rated value       100 kA         • at 690 V rated value       100 kA         • at 690 V rated value       10 kA         response value current of instantaneous short-circuit trip unit       10 kA         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor         • at 480 V rated value       3.2 A         • at 600 V rated value       0.1 hp         - at 230 V rated value       0.25 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.75 hp         - at 460/480 V rated value       2 hp         - at 575/600 V rated value       2 hp         contact rating of auxiliary contacts according to UL       C600 / R300         Short-circuit protection       Yes         magnetic       design of the fuse link         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 6 A, quick: 10 A		
• at 400 V rated value       100 kA         • at 500 V rated value       100 kA         • at 690 V rated value       10 kA         response value current of instantaneous short-circuit tripunit       42 A         UL/CSA ratings         UL/CSA ratings         Julie do current (FLA) for 3-phase AC motor         • at 480 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       0.1 hp         • at 110/120 V rated value       0.1 hp         - at 210/208 V rated value       0.25 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 460/480 V rated value       2 hp         - at 460/480 V rated value       2 hp         - at 460/480 V rated value       2 hp         - at 575/600 V rated value       2 hp         contact rating of auxiliary contacts according to UL       C600 / R300         Short-circuit protection       Yes         design of the fuse link       fuse gL/gG: 6 A, quick: 10 A         required       design of the fuse link for IT network for short-circuit <td></td> <td></td>		
• at 500 V rated value       100 kA         • at 690 V rated value       10 kA         • at 690 V rated value       10 kA         response value current of instantaneous short-circuit trip       42 A <b>UL/CSA ratings</b> 42 A <b>UL/CSA ratings</b> 3.2 A         • at 480 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       0.1 hp         • for single-phase AC motor       -         - at 110/120 V rated value       0.1 hp         - at 230 V rated value       0.25 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 460/480 V rated value       2 hp         - at 460/480 V rated value       2 hp         - at 575/600 V rated value       2 hp         contact rating of auxiliary contacts according to UL       C600 / R300         Short-circuit protection       Yes         magnetic       design of the fuse link         • for short-circuit protection of the auxiliary switch required       fuse gL/gG: 6 A, quick: 10 A		
• at 690 V rated value       10 kA         response value current of instantaneous short-circuit trip unit       42 A         UL/CSA ratings       5         full-load current (FLA) for 3-phase AC motor       3.2 A         • at 480 V rated value       3.2 A         • at 600 V rated value       0.1 hp         • for single-phase AC motor       -         - at 110/120 V rated value       0.1 hp         - at 200/208 V rated value       0.25 hp         • for 3-phase AC motor       -         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 460/480 V rated value       2 hp         - at 575/600 V rated value       2 hp         geign of the short-circuit protection       Yes         design of the fuse link       fuse gL/gG: 6 A, quick: 10 A         * for short-circuit protection of the auxiliary switch required       fuse gL/gG: 6 A, quick: 10 A		
response value current of instantaneous short-circuit trip unit       42 A         UL/CSA ratings	<ul> <li>at 500 V rated value</li> </ul>	
unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor  • at 480 V rated value 3.2 A • at 600 V rated value 3.2 A yielded mechanical performance [hp] • for single-phase AC motor - at 110/120 V rated value 0.1 hp - at 230 V rated value 0.25 hp • for 3-phase AC motor - at 200/208 V rated value 0.5 hp - at 220/230 V rated value 0.5 hp - at 460/480 V rated value 2 hp - at 575/600 V rated value 2 hp contact rating of auxiliary contacts according to UL C600 / R300 Short-circuit protection design of the fuse link • for short-circuit rpicetion of the auxiliary switch required design of the fuse link for IT network for short-circuit	<ul> <li>at 690 V rated value</li> </ul>	10 kA
UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>3.2 A</li> <li>at 600 V rated value</li> <li>3.2 A</li> </ul> <li>in the state of the st</li>		42 A
full-load current (FLA) for 3-phase AC motor       3.2 A         • at 480 V rated value       3.2 A         • at 600 V rated value       3.2 A         • at 600 V rated value       3.2 A         yielded mechanical performance [hp]       • for single-phase AC motor         - at 110/120 V rated value       0.1 hp         - at 230 V rated value       0.25 hp         • for 3-phase AC motor       0.5 hp         - at 200/208 V rated value       0.5 hp         - at 200/208 V rated value       0.75 hp         - at 460/480 V rated value       2 hp         - at 460/480 V rated value       2 hp         - at 575/600 V rated value       2 hp         contact rating of auxiliary contacts according to UL       C600 / R300         Short-circuit protection       Yes         medsign of the short-circuit trip       magnetic         design of the fuse link       fuse gL/gG: 6 A, quick: 10 A         equired       design of the fuse link for IT network for short-circuit       fuse gL/gG: 6 A, quick: 10 A		
<ul> <li>at 480 V rated value</li> <li>3.2 A</li> <li>at 600 V rated value</li> <li>3.2 A</li> <li>at 600 V rated value</li> <li>3.2 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.1 hp</li> <li>at 230 V rated value</li> <li>0.25 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>0.5 hp</li> <li>at 220/230 V rated value</li> <li>0.5 hp</li> <li>at 220/230 V rated value</li> <li>2 hp</li> <li>at 460/480 V rated value</li> <li>2 hp</li> <li>at 575/600 V rated value</li> <li>2 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> <li>Short-circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>design of the fuse link for IT network for short-circuit</li> </ul>		
<ul> <li>at 600 V rated value</li> <li>3.2 A</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>bt or single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>cat 230 V rated value</li> <li>cat 230 V rated value</li> <li>cat 200/208 V rated value</li> <li>cat 200/208 V rated value</li> <li>cat 220/230 V rated value</li> <li>cat 220/230 V rated value</li> <li>cat 460/480 V rated value</li> <li>cat 575/600 V rated value</li> <li>pase AC motor</li> <li>at 575/600 V rated value</li> <li>php</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> </ul> </li> <li>Short-circuit protection</li> <li>design of the short-circuit trip</li> <li>magnetic</li> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 6 A, quick: 10 A</li> </ul>		
yielded mechanical performance [hp]	<ul> <li>at 480 V rated value</li> </ul>	3.2 A
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>0.1 hp</li> <li>at 230 V rated value</li> <li>0.25 hp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>0.5 hp</li> <li>at 220/230 V rated value</li> <li>0.75 hp</li> <li>at 460/480 V rated value</li> <li>2 hp</li> <li>at 575/600 V rated value</li> <li>2 hp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> <li>Short-circuit protection</li> <li>Yes</li> <li>design of the short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>fuse gL/gG: 6 A, quick: 10 A</li> </ul>	<ul> <li>at 600 V rated value</li> </ul>	3.2 A
<ul> <li>at 110/120 V rated value</li> <li>at 230 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>0.5 hp</li> <li>at 220/230 V rated value</li> <li>0.75 hp</li> <li>at 460/480 V rated value</li> <li>2 hp</li> <li>at 575/600 V rated value</li> <li>2 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> <li>Short-circuit protection</li> <li>product function short circuit protection</li> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>design of the fuse link for IT network for short-circuit</li> </ul>	yielded mechanical performance [hp]	
at 230 V rated value0.25 hp• for 3-phase AC motor0.5 hp at 200/208 V rated value0.5 hp at 220/230 V rated value0.75 hp at 460/480 V rated value2 hp at 575/600 V rated value2 hp at 575/600 V rated value2 hpcontact rating of auxiliary contacts according to ULC600 / R300Short-circuit protectionproduct function short circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticefor short-circuit protection of the auxiliary switch requiredfuse gL/gG: 6 A, quick: 10 A	<ul> <li>for single-phase AC motor</li> </ul>	
at 230 V rated value0.25 hp• for 3-phase AC motor0.5 hp at 200/208 V rated value0.5 hp at 220/230 V rated value0.75 hp at 460/480 V rated value2 hp at 575/600 V rated value2 hp at 575/600 V rated value2 hpcontact rating of auxiliary contacts according to ULC600 / R300Short-circuit protectionproduct function short circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticefor short-circuit protection of the auxiliary switch requiredfuse gL/gG: 6 A, quick: 10 A	— at 110/120 V rated value	0.1 hp
<ul> <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 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 575/600 V rated value</li> <li>bp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> </ul> </li> <li>Short-circuit protection         <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>for short-circuit protection of the short-circuit</li> </ul> </li> </ul>		
<ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 460/480 V rated value</li> <li>bp</li> <li>at 575/600 V rated value</li> <li>bp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>C600 / R300</li> </ul> Short-circuit protection product function short circuit protection ges design of the short-circuit trip design of the fuse link <ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>design of the fuse link for IT network for short-circuit</li> </ul>		
at 220/230 V rated value0.75 hp at 460/480 V rated value2 hp at 575/600 V rated value2 hpcontact rating of auxiliary contacts according to ULC600 / R300Short-circuit protectionproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse linkfuse gL/gG: 6 A, quick: 10 Aetsign of the fuse link for IT network for short-circuitfuse gL/gG: 6 A, quick: 10 A	•	0.5 hp
— at 575/600 V rated value2 hpcontact rating of auxiliary contacts according to ULC600 / R300Short-circuit protectionYesproduct function short circuit protectionYesdesign of the short-circuit tripmagneticdesign of the fuse linkfuse gL/gG: 6 A, quick: 10 Adesign of the fuse link for IT network for short-circuitfuse gL/gG: 6 A, quick: 10 A		
contact rating of auxiliary contacts according to UL       C600 / R300         Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic         design of the fuse link       fuse gL/gG: 6 A, quick: 10 A         esign of the fuse link for IT network for short-circuit       fuse gL/gG: 6 A, quick: 10 A		
Short-circuit protection       Yes         product function short circuit protection       Yes         design of the short-circuit trip       magnetic         design of the fuse link       • for short-circuit protection of the auxiliary switch required         design of the fuse link for IT network for short-circuit       fuse gL/gG: 6 A, quick: 10 A		
product function short circuit protection       Yes         design of the short-circuit trip       magnetic         design of the fuse link       • for short-circuit protection of the auxiliary switch required         design of the fuse link for IT network for short-circuit       fuse gL/gG: 6 A, quick: 10 A		
design of the short-circuit trip       magnetic         design of the fuse link       fuse gL/gG: 6 A, quick: 10 A         e for short-circuit protection of the auxiliary switch required       fuse gL/gG: 6 A, quick: 10 A		
design of the fuse link       • 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       fuse gL/gG: 6 A, quick: 10 A		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>design of the fuse link for IT network for short-circuit</li> </ul>		magnetic
required design of the fuse link for IT network for short-circuit	-	
design of the fuse link for IT network for short-circuit		fuse gL/gG: 6 A, quick: 10 A
protection of the main circuit	protection of the main circuit	

• at 400 V	gL/gG 25 A		
• at 500 V	gL/gG 32 A		
• at 690 V	gL/gG 25 A		
Installation/ 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	0		
with side-by-side mounting at the side     for grounded parts at 400 V	0 mm		
<ul> <li>for grounded parts at 400 V</li> <li>— downwards</li> </ul>	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>	50 mm		
— downwards — upwards	50 mm 50 mm		
— upwards — 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			
<ul> <li>for main current circuit</li> </ul>	screw-type terminals		
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type 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 (0,75 2,5 mm²), 2x 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (18 14), 2x 12		
type of connectable conductor cross-sections			
<ul> <li>for auxiliary contacts</li> </ul>			
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
— finely stranded with core end processing	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )		
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)		
tightening torque	0.9. 1.2 Nm		
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliany contacts with screw type terminals</li> </ul>	0.8 1.2 N·m 0.8 1.2 N·m		
<ul> <li>for auxiliary contacts with screw-type terminals design of screwdriver shaft</li> </ul>	0.8 1.2 N·M 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							
B10 value							
with high demand rate according to SN 31920     proportion of dangerous failures			5 000				
<ul> <li>proportion of dangerous failures</li> <li>with low demand rate according to SN 31920</li> </ul>			50 %				
with high demand rate according to SN 31920			50 %				
failure rate [FIT]							
<ul> <li>with low demand rate according to SN 31920</li> </ul>			50 FIT				
T1 value for proof tes IEC 61508	T1 value for proof test interval or service life according to		10 a				
	protection class IP on the front according to IEC			IP20			
touch protection on display version for sv	the front according to vitching status		finger-safe, for vertical contact from the front Handle				
Certificates/ approva	-						
General Product A					Declaration of Conformity		
(m)	<b>Confirmation</b>	Ē	<u>KC</u>	гпг	()		
<u>u</u>		জ		EHE			
ccc		UL			EG-Konf.		
Declaration of Conformity	Test Certificates		Marine / Shipping				
-							
I IK	Type Test Certific-	Special Test Certi	fic-		f &		
UK	ates/Test Report	ate			ΦΦ		
CA			ABS		DNV		
				VERITAS			
Marine / Shipping			other		Railway		
	Star .	als.	Confirmation	~	Confirmation		
Lloyd's Register	(23)	( 😽 )	<u></u>	DE			
100,000							
LRS	PKS	RINA		VDE			
Railway							
Vibration and Shock							
Further information							
Siemens has decided to exit the Russian market (see here).							
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			/-			
	ry.siemens.com/cs/ww/e						
Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10							

https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2111-1DA10

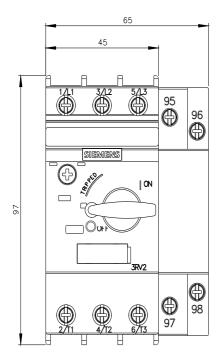
Cax online generator

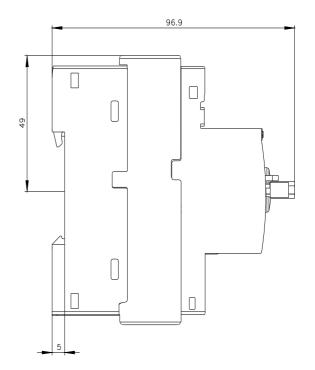
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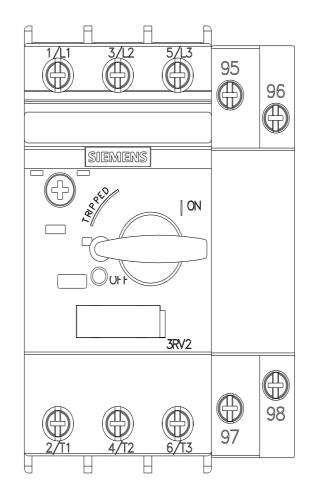
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

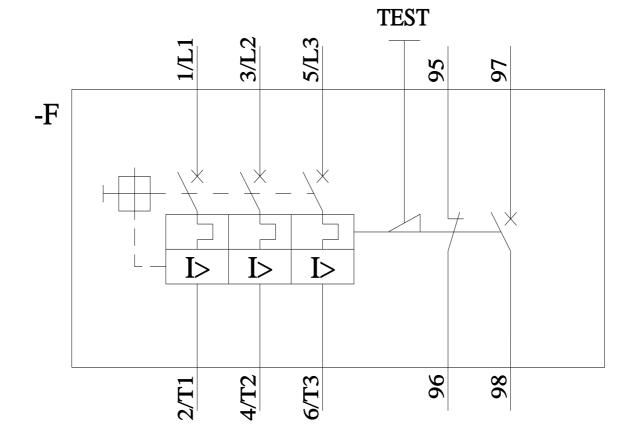
https://support.industry.siemens.com/cs/ww/en/ps/3RV2111-1DA10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2111-1DA10&lang=en Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2111-1DA10/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2111-1DA10&objecttype=14&gridview=view1









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