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 | | |
| at AC in hot operating state | 7.25 W | |
| at AC in hot operating state per pole | 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) | | |
| of the main contacts typical | 100 000 | |
| of auxiliary contacts typical | 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 | | |
| during operation | -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 | 2.2 3.2 A | |
| operating voltage | | |
| rated value | 20 690 V | |
| at AC-3 rated value maximum | 690 V | |
| at AC-3e rated value maximum | 690 V | |
| operating frequency rated value | 50 60 Hz | |
| operational current rated value | 3.2 A | |
| operational current | | |
| at AC-3 at 400 V rated value | 3.2 A | |
| at AC-3e at 400 V rated value | 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 | |
| ground fault detection phase failure detection Yes cLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) et AC at 240 V rated value 100 kA et AC at 400 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AC at 630 V rated value 100 kA et AO V rated value 100 kA et at 90 V rated value 22 A et at 90 V rated value 32 A et at 90 V rated value 32 A et at 90 V rated value 22 A yielded mechanical performance [hp] for single-phase AC motor - at 220/208 V rated value 0.5 hp - at 220/208 V rated value 25 hp - at 220/208 V rated value 2 hp contact rating of auxiliary contacts according to UL C600 / R300 Short-circuit protection et at 90 / Rate for short-circuit protection for short-circuit protection of the auxillary switch required | | |
| | - | 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 UL/CSA ratings | | |
| 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 UL/CSA ratings 42 A UL/CSA ratings 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 | at 500 V rated value | |
| 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 | at 690 V rated value | 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 3.2 A in the state of the st | | 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 | | |
| 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 at 200/208 V rated value 0.5 hp at 220/230 V rated value 0.5 hp at 220/230 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 design of the short-circuit trip 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 | | |
| at 600 V rated value 3.2 A yielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value bt or single-phase AC motor at 110/120 V rated value cat 230 V rated value cat 230 V rated value cat 200/208 V rated value cat 200/208 V rated value cat 220/230 V rated value cat 220/230 V rated value cat 460/480 V rated value cat 575/600 V rated value pase AC motor at 575/600 V rated value php contact rating of auxiliary contacts according to UL C600 / R300 Short-circuit protection design of the short-circuit trip magnetic design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 6 A, quick: 10 A | | |
| yielded mechanical performance [hp] | at 480 V rated value | 3.2 A |
| for single-phase AC motor at 110/120 V rated value at 230 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 0.75 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 design of the short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gL/gG: 6 A, quick: 10 A | at 600 V rated value | 3.2 A |
| at 110/120 V rated value at 230 V rated value at 230 V rated value for 3-phase AC motor at 200/208 V rated value 0.5 hp at 220/230 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 product function short circuit protection 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 | 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 | for single-phase AC motor | |
| 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 |
| for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value bp at 460/480 V rated value bp at 575/600 V rated value bp contact rating of auxiliary contacts according to UL C600 / R300 Short-circuit protection product function short circuit protection design of the short-circuit trip for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection of the short-circuit | | |
| at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value bp at 460/480 V rated value bp at 575/600 V rated value bp contact rating of auxiliary contacts according to UL C600 / R300 Short-circuit protection product function short circuit protection ges design of the short-circuit trip 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 | | |
| 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 | | |
| for short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit | | 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 | | |
| 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 | 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 | | | |
| 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 | | | |
| 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 mm ²), 2x (0.75 2.5 mm ²) | | |
| at 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) | | |
| — finely stranded with core end processing | 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) | | |
| at AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14) | | |
| tightening torque | 0.9. 1.2 Nm | | |
| for main contacts with screw-type terminals for auxiliany contacts with screw type terminals | 0.8 1.2 N·m 0.8 1.2 N·m | | |
| for auxiliary contacts with screw-type terminals design of screwdriver shaft | 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 | | |
| of the auxiliary and control contacts | M3 | | |
| | | | |

| Safety related data | | | | | | | |
|--|--|--------------------|--|---------|------------------------------|--|--|
| B10 value | | | | | | | |
| with high demand rate according to SN 31920 proportion of dangerous failures | | | 5 000 | | | | |
| proportion of dangerous failures with low demand rate according to SN 31920 | | | 50 % | | | | |
| with high demand rate according to SN 31920 | | | 50 % | | | | |
| failure rate [FIT] | | | | | | | |
| with low demand rate according to SN 31920 | | | 50 FIT | | | | |
| T1 value for proof 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) | Confirmation | 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

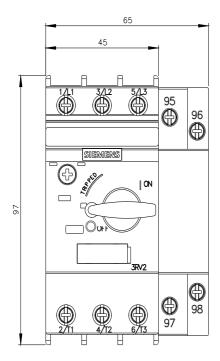
Cax online generator

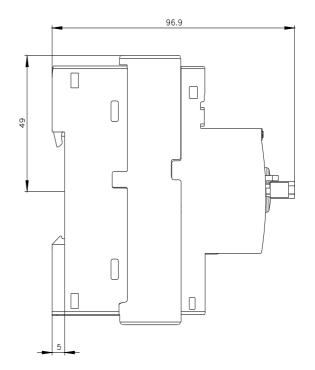
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2111-1DA10

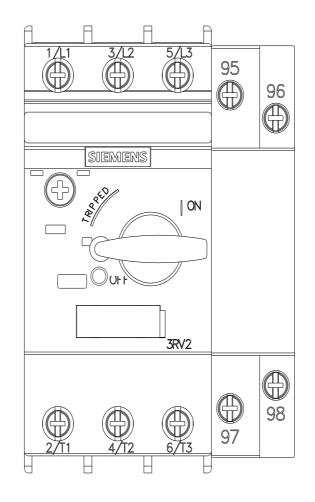
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

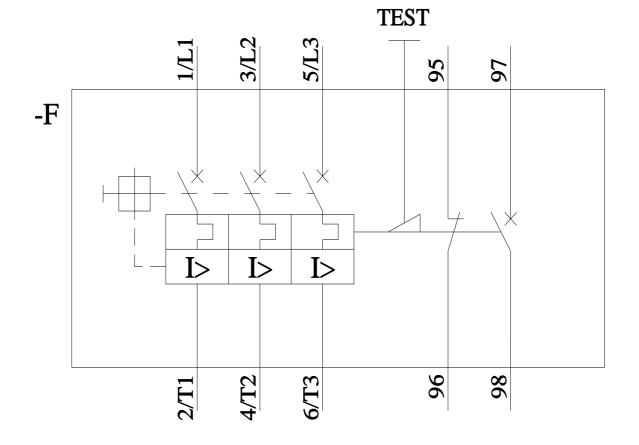
https://support.industry.siemens.com/cs/ww/en/ps/3RV2111-1DA10

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, I²t, 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









11/21/2022 🖸