SIEMENS

Data sheet

3RV2331-4KC10



Circuit breaker size S2 for starter combination Rated current 73 A N-release 949 A screw terminal Standard switching capacity

| product brand name SIRIUS design of the product For starter combinations product dype designation 3RV2 General technical data | | |
|---|---|--------------------------|
| design of the product For starter combinations product type designation 3RV2 General technical data S2 size of the circuit-breaker S2 size of the circuit-breaker S2 product extension auxiliary switch Yes power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state 29.5 W • surge voltage resistance rated value 680 V surge voltage resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 e of availiary contacts typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 200 m mathemating stratege -50 +80 °C relative humidity during operation -50 +80 °C • during storage -50 +80 °C | product brand name | SIRIUS |
| product type designation 3RV2 General technical data size of the circuit-breaker S2 size of contactor can be combined company-specific S2 product extension auxiliary switch Yes power loss [W] for rated value of the current et A C in hot operating state per pole 9.8 W et A C in hot operating state per pole 9.8 W 680 V surge voltage resistance rated value 6 kV 52 shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus 5000 e of the main contacts typical 20 000 6 kV 5000 e of the main contacts typical 20 000 20 000 7000 electrical endurance (switching cycles) typical 20 000 7000 7000 efference code according to IEC 8136-2 Q 0000 7000 70000 efference code according to IEC 8136-2 Q 0000 70000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 700000 | product designation | Circuit breaker |
| General technical data Size of the circuit-breaker S2 size of the circuit-breaker S2 size of contactor can be combined company-specific S2 product extension auxiliary switch Yes power loss [W] for rated value of the current 4 AC in hot operating state • at AC in hot operating state prole 9.8 W insulation voltage with degree of pollution 3 at AC rated 690 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2:27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 • of auxiliary contacts typical 20 000 reference code according to IEC 81346-2 Q Guing operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C • during transport -50 +80 °C relative humidity during operation 3 • at AC-3 rated value 50 60 VC • at AC-3 rated value 50 60 V • at AC-3 rated value 50 60 Hz operation frequency rated value 73 A | design of the product | For starter combinations |
| size of the circuit-breaker S2 size of contactor can be combined company-specific product extension auxiliary switch Yes power loss [W] for rated value of the current S2.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state per pole 9.8 W insultation voltage with degree of pollution 3 at AC rated 690 V value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of auxiliary contacts typical 20 000 • ectra according to IEC 80068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of auxiliary contacts typical 20 000 • ectra according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 1096 °C • during operation -20 +60 °C • during storage -50 +80 °C • during torage -50 +80 °C < | | 3RV2 |
| size of contactor can be combined company-specific S2 product extension auxiliary switch Yes power loss [W] for rated value of the current * • at AC in hot operating state 29.5 W • at AC in hot operating state per pole 9.8 W insulation voltage with degree of pollution 3 at AC rated 980 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 000 • of the main contacts typical 20 000 • of the main contacts typical 20 000 e daring operation 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -50 +60 °C • during operation 1095 % Main circuit 3 number of poles for main current circuit 3 operating requency rated value 20 690 V • at AC-3 rated value 20 690 V • at AC-3 rated value 20 690 V • at AC-3 rated value 20 690 V • perational current 690 V | General technical data | |
| product extension auxiliary switch Yes power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 29.5 W • at AC in hot operating state per pole 9.8 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 Sinus mechanical service life (switching cycles) 0000 • of the main contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 substance Prohibitance (Date) 03/01/2017 Ambient conditions -20 +60 °C installation altitude at height above sea level maximum 2 000 m ambient tomperature -20 +60 °C • during transport -50 +60 °C • during transport -50 +60 °C • during transport -50 +60 °C • at AC-3 rated value 20 690 V • at AC-3 rated value maximum 30 operational current 690 V | size of the circuit-breaker | S2 |
| power loss [W] for rated value of the current 29.5 W • at AC in hot operating state 9.8 W insultation 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 Sinus mechanical service life (switching cycles) 6 kV • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating requency rated value 20 600 V • at AC-3 rated value maximum 690 V operational current 690 V operati | size of contactor can be combined company-specific | S2 |
| • at AC in hot operating state per pole 9.8 W • at AC in hot operating state per pole 9.8 W insulation voltage with degree of pollution 3 at AC rated 690 V surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2:27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 • of the main contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during torage -50 +80 °C • during torage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating requency rated value 20 690 V • at AC-3 rated value maximum 690 V operational current rated value 73 A operational current 73 A operational current | product extension auxiliary switch | Yes |
| • at AC in hot operating state per pole 9.8 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 Sinus mechanical service life (switching cycles) 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 0 30/01/2017 Ambient conditions 0 30/01/2017 installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +80 °C • during strage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage -60 V • at AC-3 rated value 50 60 Hz operational current rated value 73 A operational current -73 A operating power -73 A | power loss [W] for rated value of the current | |
| insulation voltage with degree of pollution 3 at AC rated value 690 V surge voltage resistance rated value 6 kV shock resistance according to EC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 0 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to EC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m anbient storage -50 +60 °C • during storage -50 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating roltage 50 60 V • at AC-3 rated value 20 690 V • at AC-3 rated value 50 60 Hz operational current 73 A operational current 73 A operationg power 73 A | at AC in hot operating state | 29.5 W |
| value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service IIfe (switching cycles) 20 000 • of the main contacts typical 20 000 e of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 electrical endurance (switching cycles) typical 20 000 substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating rotque 50 60 V e at AC-3 rated value 20 690 V operational current rated value 73 A operational current rated value 73 A operating power 73 A | at AC in hot operating state per pole | 9.8 W |
| shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (switching cycles) 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 20 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operational current 50 600 Hz operational current 73 A operational current 73 A operational current 73 A operationg power 73 A | | 690 V |
| mechanical service life (switching cycles) 20 000 • of the main contacts typical 20 000 • of auxiliary contacts typical 20 000 electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude a height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage - • rated value 20 690 V • at AC-3 rated value maximum 690 V operational current rated value 57 480 °C • operational current rated value 73 A operational current 73 A operating power 73 A | surge voltage resistance rated value | 6 kV |
| • of the main contacts typical20 000• of auxiliary contacts typical20 000electrical endurance (switching cycles) typical20 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-20 +60 °C• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage20 690 V• at AC-3 rated value maximum690 Voperational current rated value73 Aoperational current-73 Aoperating power73 A | shock resistance according to IEC 60068-2-27 | 25g / 11 ms Sinus |
| • of auxiliary contacts typical20 000electrical endurance (switching cycles) typical20 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)03/01/2017Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-20 +60 °C• during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage-690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 600 Hzoperatingal current-73 A• at AC-3 at 400 V rated value73 Aoperating power-73 A | mechanical service life (switching cycles) | |
| electrical endurance (switching cycles) typical 20 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 50 60 V • at AC-3 rated value 50 60 Hz operating lency rated value 73 A operating power 73 A | of the main contacts typical | 20 000 |
| reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current -73 A operating power 73 A | of auxiliary contacts typical | 20 000 |
| Substance Prohibitance (Date) 03/01/2017 Ambient conditions 2000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | electrical endurance (switching cycles) typical | 20 000 |
| Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value 50 600 V operating frequency rated value 50 60 Hz operational current rated value 73 A operational current -3 A operating power 73 A | reference code according to IEC 81346-2 | Q |
| installation altitude at height above sea level maximum 2 000 m ambient temperature -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 operating voltage -20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current -3 A operational current -3 A operational current -3 A operating power -73 A | Substance Prohibitance (Date) | 03/01/2017 |
| ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | Ambient conditions | |
| • during operation-20 +60 °C• during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage-• rated value20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value73 Aoperational current-• at AC-3 at 400 V rated value73 A | installation altitude at height above sea level maximum | 2 000 m |
| • during storage-50 +80 °C• during transport-50 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3operating voltage20 690 V• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value73 Aoperating power73 A | ambient temperature | |
| • during transport -50 +80 °C relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | during operation | -20 +60 °C |
| relative humidity during operation 10 95 % Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | during storage | -50 +80 °C |
| Main circuit 3 number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | during transport | -50 +80 °C |
| number of poles for main current circuit 3 operating voltage 20 690 V • rated value 20 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | relative humidity during operation | 10 95 % |
| operating voltage• rated value• at AC-3 rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value• at AC-3 at 400 V rated value73 Aoperating power | Main circuit | |
| rated value at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operating power 73 A | number of poles for main current circuit | 3 |
| • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operational current rated value 73 A operational current 73 A operating power 73 A | operating voltage | |
| operating frequency rated value 50 60 Hz operational current rated value 73 A operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A | rated value | 20 690 V |
| operational current rated value 73 A operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A | at AC-3 rated value maximum | 690 V |
| operational current 73 A • at AC-3 at 400 V rated value 73 A operating power 73 A | operating frequency rated value | 50 60 Hz |
| • at AC-3 at 400 V rated value 73 A operating power | operational current rated value | 73 A |
| operating power | operational current | |
| | at AC-3 at 400 V rated value | 73 A |
| • at AC-3 | operating power | |
| | • at AC-3 | |

| — at 230 V rated value | |
|---|--|
| - al 250 V faled value | 22 kW |
| — at 400 V rated value | 37 kW |
| — at 500 V rated value | 45 kW |
| — at 690 V rated value | 55 kW |
| operating frequency | |
| • at AC-3 maximum | 15 1/h |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 0 |
| Protective and monitoring functions | |
| product function | |
| ground fault detection | No |
| phase failure detection | No |
| breaking capacity maximum short-circuit current (lcu) | |
| at AC at 240 V rated value | 100 kA |
| at AC at 400 V rated value | 65 kA |
| at AC at 500 V rated value | 8 kA |
| • at AC at 690 V rated value | 4 kA |
| breaking capacity operating short-circuit current (lcs) | |
| at AC | |
| at 240 V rated value | 100 kA |
| at 400 V rated value | 30 kA |
| at 500 V rated value | 5 kA |
| at 690 V rated value | 2 kA |
| response value current of instantaneous short-circuit trip unit | 949 A |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| • at 480 V rated value | 65 A |
| • at 600 V rated value | 62 A |
| yielded mechanical performance [hp] | |
| for 3-phase AC motor | |
| — at 200/208 V rated value | 20 hp |
| — at 220/230 V rated value | 25 hp |
| — at 460/480 V rated value | 50 hp |
| | |
| — at 575/600 V rated value | 60 hp |
| — at 575/600 V rated value Short-circuit protection | 60 hp |
| | 60 hp Yes |
| Short-circuit protection | |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit | Yes |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit | Yes magnetic |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V | Yes magnetic none required |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V | Yes magnetic none required 160 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V | Yes magnetic none required 160 125 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V | Yes magnetic none required 160 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V | Yes magnetic none required 160 125 100 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V | Yes magnetic none required 160 125 100 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — upwards | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V - at the side - at the side • for live parts at 400 V | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |
| Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — upwards — at the side | Yes magnetic none required 160 125 100 any screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 140 mm 55 mm 149 mm |

| — at the side | 10 mm | | | | |
|--|--|--|--|--|--|
| for grounded parts at 500 V | | | | | |
| — downwards | 50 mm | | | | |
| — upwards | 50 mm | | | | |
| — at the side | 10 mm | | | | |
| for live parts at 500 V | | | | | |
| — downwards | 50 mm | | | | |
| — upwards | 50 mm | | | | |
| — at the side | 10 mm | | | | |
| for grounded parts at 690 V | | | | | |
| — downwards | 50 mm | | | | |
| — upwards | 50 mm | | | | |
| — backwards | 0 mm | | | | |
| — at the side | 10 mm | | | | |
| — forwards | 0 mm | | | | |
| for live parts at 690 V | | | | | |
| — downwards | 50 mm | | | | |
| — upwards | 50 mm | | | | |
| — backwards | 0 mm | | | | |
| — at the side | 10 mm | | | | |
| — forwards | 0 mm | | | | |
| Connections/ Terminals | | | | | |
| type of electrical connection | | | | | |
| | | | | | |
| for main current 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 (1 35 mm²), 1x (1 50 mm²) | | | | |
| finely stranded with core end processing | 2x (1 25 mm²), 1x (1 35 mm²) | | | | |
| at AWG cables for main contacts | 2x (18 2), 1x (18 1) | | | | |
| tightening torque | | | | | |
| for main contacts with screw-type terminals | 3 4.5 N·m | | | | |
| design of screwdriver shaft | Diameter 5 to 6 mm | | | | |
| size of the screwdriver tip | Pozidriv size 2 | | | | |
| design of the thread of the connection screw | | | | | |
| for main contacts | M6 | | | | |
| Safety related data | | | | | |
| B10 value | | | | | |
| with high demand rate according to SN 31920 | 5 000 | | | | |
| proportion of dangerous failures | | | | | |
| with low demand rate according to SN 31920 | 50 % | | | | |
| with high demand rate according to SN 31920 with high demand rate according to SN 31920 | 50 % | | | | |
| failure rate [FIT] | | | | | |
| | 50 FIT | | | | |
| with low demand rate according to SN 31920 T1 value for proof test interval or service life according to | 10 y | | | | |
| IEC 61508 | | | | | |
| protection class IP on the front according to IEC 60529 | IP20 | | | | |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front | | | | |
| display version for switching status | Handle | | | | |
| Certificates/ approvals | | | | | |
| General Product Approval | | | | | |
| contract i oudor i provui | | | | | |
| Confirmati | | | | | |
| | | | | | |
| | E HI | | | | |
| CSA CCC | | | | | |





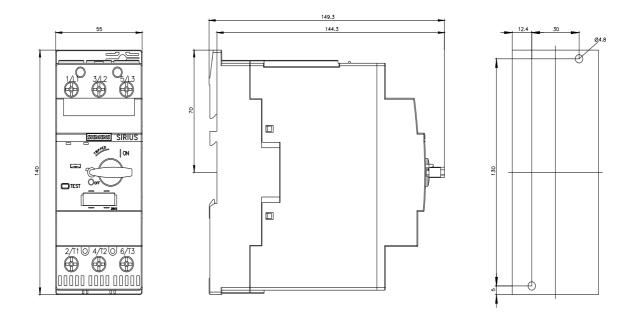


| Declaration of Con | nformity | Test Certificates | | Marine / Shipping | | | | |
|--|---|---|--|-------------------|---------------------|--|--|--|
| CE EG-Konf. | UK CA | <u>Special Test Certific-</u> <u>ate</u> | <u>Type Test Certific-</u> ates/Test Report | ABS | BUREAU VERITAS | | | |
| Marine / Shipping | | | | | other | | | |
| | Lloyd's Register urs | PRS | RINA | RMRS | <u>Confirmation</u> | | | |
| other | Railway | | | | | | | |
| UDE VDE | Vibration and Shock | <u>Confirmation</u> | | | | | | |
| Further information | | | | | | | | |
| Information- and D https://www.siemen Industry Mall (Onli https://mall.industry Cax online genera http://support.autom Service&Support (| 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=3RV2331-4KC10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4KC10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4KC10 | | | | | | | |

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2331-4KC10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4KC10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2331-4KC10&objecttype=14&gridview=view1



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