## **SIEMENS**

Data sheet 3RV2011-0FA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 0.35...0.5 A N-release 6.5 A screw terminal Standard switching capacity

| product designation design of the product product type designation 3RV2  General technical data size of the circuit-treaker size of ortactor can be combined company-specific product type loss [W] for rated value of the current at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value shock resistance according to IEC 60068-2-27 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 surge voltage resistance rated value of a williary contacts typical of auxiliary contacts typical of auxiliary contacts typical of the main contacts typical of demandation of the contact of the current substance Prohibitance (Date) SVHS substance name Lead -7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature of during storage of during transport relative humidity during operation of elastic value of a size of a rated value operating voltage or at AC-3 ar lad ov laue maximum operational current rated value operational current of at AC-3 at 400 V rated value operational current of tack and to the current of the curre | product brand name  | SIRIUS               |
|--|---|----------------------|
| product type designation General technical data size of the circuit-breaker 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 • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value surge voltage resistance rated value • of kV shock resistance according to IEC 60068-2-27 septimal service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • of during contacts typical • of auxiliary contacts | product designation   | Circuit breaker      |
| Size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of contactor can be combined company-specific Sou, Sou product extension auxiliary switch Yes power loss IWJ for rated value of the current at AC in hot operating state 5.5 W said AC in hot operating state per pole 1.8 W insulation voltage with degree of pollution 3 at AC rated value 800 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 source of the main contacts typical 100 000 source of the durance (operating cycles) of the main contacts typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Gote) 100/1/2009 SVHC substance name Lead - 7439-92-1 Ambient conditions Installation allitude at height above sea level maximum 2000 m ambient temperature during operation 200 m substance prohibitance (Gote) -50 +80 °C source of the size of the size of the size of the current dependent overload release operating voltage 20 +60 °C source of the size of the size of the size of the current dependent overload release operating voltage 2060 V source of the current size of the current si             | design of the product   | For motor protection |
| size of the circuit-breaker  size of contactor can be combined company-specific  product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state  • at AC in hot operating state  • at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SVHC substance Prohibitance (Date)  sinstallation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3 rated value maximum  • operating frequency rated value  operating frequency rated value  operating frequency rated value  operating current rated value  operational current  overating frequency rated value  operational current  overating frequency rated value  operational current  overating frequency rated value  operational current  overational current  overating frequency rated value  operational current   | product type designation  | 3RV2                 |
| size of contactor can be combined company-specific product extension auxiliary switch Power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value 680 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 100/12009 SVHC substance name Lead - 7439-92-1 Ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • 690 V • at AC-3 rated value maximum • 690 V operational current set of the current-dependent current rated value operational current ated value 50 60 Hz operational current ated value 50 60 Hz operational current ated value 50 60 Hz operational current circuit after the current-dependent or cated value and contact and con                 | General technical data  |                      |
| product extension auxiliary switch  power loss [W] for rated value of the current  at AC in hot operating state  | size of the circuit-breaker                                     | S00                  |
| power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical • of the main contacts typical • of auxiliary contacts typical   100 000   100 0 | size of contactor can be combined company-specific              | S00, S0              |
| at AC in hot operating state  at AC in hot operating state per pole  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  leictrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  SYHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring storage  oluring storage  oluring transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  orated value  at AC-3 rated value maximum  operating frequency rated value  operational current  olumperation strated value  operational current rated value  operational current rated value  operational current  ologe voltage  operational current  ologe voltage  operational current rated value  operational current  operational current  ologe voltage  operational current  ologe voltage  ol  | product extension auxiliary switch                              | Yes                  |
| at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 pechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical lectrical endurance (operating cycles) typical electrical endurance (operating cycles) typical lectrical endurance (operating cycles) typical preference code according to IEC 81346-2 Q Substance Prohibitance (Date)  SYHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport relative humidity during operation  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value maximum entre operating frequency rated value operational current rated value operational current operating frequency rated value operational current operational current operational current rated value operational current of the CV  at AC-3 rated value operational current rated value operational current operational current operational current operational current of the CV  at AC-3 rated value operational current rated value operational current operational current of the CV  at AC-3 rated value operational current operational current of the CV  at AC-3 rated value operational current operational operatio  | power loss [W] for rated value of the current                   |                      |
| insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical  100 000  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SYHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  during operation  during storage  during transport  relative humidity during operation  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  operating voltage  at AC-3 rated value maximum  operational current rated value  operational current  | <ul> <li>at AC in hot operating state</li> </ul>                | 5.5 W                |
| surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles)  • of the main contacts typical 100 000 electrical endurance (operating cycles) typical lelectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum • at AC-3 rated value maximum • operational current rated value operational current rated value operational current rated value operational current of the according to 10 95 %  operational current rated value operational current of the current         | <ul> <li>at AC in hot operating state per pole</li> </ul>       | 1.8 W                |
| shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  electrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  oluring operation  oluring storage  oluring transport  relative humidity during operation  adjustable current response value current of the current-dependent overload release  operating voltage  olar 100 000  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  100/01/2009  SVHC substance name  Lead - 7439-92-1  Ambient conditions  100 000  100/01/2009  200 m  ambient temperature  oluring operation  -20 +60 °C  -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  orated value  at AC-3 rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  operational current rated value  operational current  | insulation voltage with degree of pollution 3 at AC rated value | 690 V                |
| mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  electrical endurance (operating cycles) typical  forerence code according to IEC 81346-2  Substance Prohibitiance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operational current rated value  operational current   | surge voltage resistance rated value                            | 6 kV                 |
| of the main contacts typical     of auxiliary contacts typical     electrical endurance (operating cycles) typical     electrical endurance (operating cycles) typical     reference code according to IEC 81346-2     Q Substance Prohibitance (Date)  SVHC substance name     Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     ouring storage     during storage     during transport     relative humidity during operation  Main circuit  number of poles for main current circuit     adjustable current response value current of the current-dependent overload release  operating voltage     rated value     at AC-3 rated value maximum     at AC-3e rated value maximum     operational current rated value     operational current  | shock resistance according to IEC 60068-2-27                    | 25g / 11 ms          |
| of auxiliary contacts typical electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10//01/2009 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum ambient temperature     o during operation     during storage     during storage     during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage     rated value     at AC-3 rated value maximum     690 V operational current rated value operational current rated value operational current rated value  0.55 60 Hz operational current rated value operational current rated value  0.55 A   | mechanical service life (operating cycles)                      |                      |
| electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 erated value maximum • at AC-3e rated value maximum operational current rated value operational current   | <ul> <li>of the main contacts typical</li> </ul>                | 100 000              |
| reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -20 +80 °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 operating voltage • rated value • at AC-3 rated value maximum 690 V • at AC-3e rated value maximum 690 V operating frequency rated value operational current   | of auxiliary contacts typical                                   | 100 000              |
| Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  690 V  operating frequency rated value  operational current rated value  operational current rated value  0.5 A  operational current rated value  0.5 A  | electrical endurance (operating cycles) typical                 | 100 000              |
| SVHC substance name  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  operational current rated value  0.5 A  | reference code according to IEC 81346-2                         | Q                    |
| Installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum operational current rated value  operational current rated value  operational current rated value  operational current rated value  operational current  2 000 m  -20 +60 °C  -50 +80  | Substance Prohibitance (Date)                                   | 10/01/2009           |
| installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum • at AC-3e rated value operating frequency rated value operational current rated value  operational current rated value  0.5 A  | SVHC substance name   | Lead - 7439-92-1     |
| ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current rated value  0.5 A  | Ambient conditions  |                      |
| <ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>telative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current rated value</li> </ul>  | installation altitude at height above sea level maximum         | 2 000 m              |
| <ul> <li>during storage</li> <li>during transport</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>o.5 A</li> </ul>  | ambient temperature   |                      |
| • during transport     relative humidity during operation     10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage      • rated value     • at AC-3 rated value maximum     • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  0.5 A  operational current  -50 +80 °C  10 95 %  0.35 0.5 A   | <ul> <li>during operation</li> </ul>                            | -20 +60 °C           |
| relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • rated value maximum  690 V  • at AC-3e rated value maximum  690 V  operating frequency rated value  50 60 Hz  operational current rated value  0.5 A   | during storage  | -50 +80 °C           |
| Main circuit  number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  50 60 Hz  operational current  operational current   | during transport  | -50 +80 °C           |
| number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current  0.35 0.5 A  0.35 0.5 A   | relative humidity during operation                              | 10 95 %              |
| adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  • at AC-3e rated value maximum  operating frequency rated value  operational current rated value  operational current  0.35 0.5 A   | Main circuit  |                      |
| dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum • at AC-3e rated value maximum 690 V  operating frequency rated value 50 60 Hz  operational current rated value 0.5 A   | number of poles for main current circuit                        | 3                    |
| <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul>  | ·   | 0.35 0.5 A           |
| <ul> <li>at AC-3 rated value maximum</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>0.5 A</li> <li>operational current</li> </ul>   | operating voltage   |                      |
| <ul> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>operational current rated value</li> <li>operational current</li> </ul>   | • rated value   | 20 690 V             |
| operating frequency rated value 50 60 Hz operational current rated value 0.5 A operational current   | • at AC-3 rated value maximum                                   | 690 V                |
| operational current rated value 0.5 A operational current  | at AC-3e rated value maximum                                    | 690 V                |
| operational current  | operating frequency rated value                                 | 50 60 Hz             |
|  | operational current rated value                                 | 0.5 A                |
| • at AC-3 at 400 V rated value 0.5 A   | operational current   |                      |
|  | <ul> <li>at AC-3 at 400 V rated value</li> </ul>                | 0.5 A                |

| at AC-3e at 400 V rated value  | 0.5 A  |
|--|--|
| operating power  |  |
| • at AC-3  |  |
| — at 230 V rated value   | 0.1 kW   |
| — at 400 V rated value   | 0.12 kW  |
| — at 500 V rated value   | 0.1 kW   |
| — at 690 V rated value   | 0.2 kW   |
| • at AC-3e   |  |
| — at 230 V rated value   | 0.1 kW   |
| — at 400 V rated value   | 0.12 kW  |
| — at 500 V rated value   | 0.1 kW   |
|  |  |
| — at 690 V rated value   | 0.2 kW   |
| operating frequency  |  |
| at AC-3 maximum  | 15 1/h   |
| at AC-3e maximum   | 15 1/h   |
| Auxiliary circuit  |  |
| number of NC contacts for auxiliary contacts   | 0  |
| number of NO contacts for auxiliary contacts   | 0  |
| number of CO contacts for auxiliary contacts   | 0  |
| Protective and monitoring functions  |  |
| product function   |  |
| ground fault detection   | No   |
| phase failure detection  | Yes  |
| trip class   | CLASS 10   |
| design of the overload release   | thermal  |
| maximum short-circuit current breaking capacity (Icu)  | anoma.   |
|  | 100 kA   |
| at AC at 240 V rated value   |  |
| at AC at 400 V rated value   | 100 kA   |
| at AC at 500 V rated value   | 100 kA   |
| at AC at 690 V rated value   | 100 kA   |
| operating short-circuit current breaking capacity (Ics) at AC  |  |
| at 240 V rated value   | 100 kA   |
| • at 400 V rated value   | 100 kA   |
| <ul> <li>at 500 V rated value</li> </ul>   | 100 kA   |
| at 690 V rated value   | 100 kA   |
| response value current of instantaneous short-circuit trip unit  | 6.5 A  |
| UL/CSA ratings   |  |
| full-load current (FLA) for 3-phase AC motor   |  |
| at 480 V rated value   | 0.5 A  |
| at 600 V rated value   | 0.5 A  |
| Short-circuit protection   |  |
| product function short circuit protection  |  |
| product rangulon onote choult protection   | Yes  |
| <u> </u>   | Yes  |
| design of the short-circuit trip   | Yes magnetic   |
| <u> </u>   | - 17   |
| design of the short-circuit trip design of the fuse link for IT network for short-circuit  | magnetic   |
| design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 690 V  | - 11   |
| design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 690 V Installation/ mounting/ dimensions   | magnetic gL/gG 4 A   |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions mounting position  | magnetic gL/gG 4 A any   |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position  fastening method   | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height   | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm                                     |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width   | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm  45 mm                              |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth   | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm                                     |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm   |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side  | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm  45 mm                              |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm   |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side  | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 97 mm 45 mm 97 mm   |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm  45 mm  97 mm  0 mm                 |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V — downwards   | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm 45 mm 97 mm  0 mm  30 mm            |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards  | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm 45 mm 97 mm  0 mm 30 mm 30 mm       |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth  required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side                          | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm 45 mm 97 mm  0 mm 30 mm 30 mm       |
| design of the short-circuit trip  design of the fuse link for IT network for short-circuit protection of the main circuit  • at 690 V  Installation/ mounting/ dimensions  mounting position fastening method height width depth required spacing  • with side-by-side mounting at the side • for grounded parts at 400 V  — downwards — upwards — at the side • for live parts at 400 V | magnetic  gL/gG 4 A  any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  97 mm 45 mm 97 mm  0 mm  30 mm 30 mm 9 mm |

| — at the side   | 9 mm   |  |  |
|---|--|--|--|
| • for grounded parts at 500 V   | 5 111111   |  |  |
|   | 20   |  |  |
| — 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   |  |  |
| <ul> <li>for grounded parts at 690 V</li> </ul>   |  |  |  |
| — downwards   | 50 mm  |  |  |
| — upwards   | 50 mm  |  |  |
| — backwards   | 0 mm   |  |  |
| — at the side   | 30 mm  |  |  |
| — forwards  | 0 mm   |  |  |
| • for live parts at 690 V   |  |  |  |
| — downwards   | 50 mm  |  |  |
| — upwards   | 50 mm  |  |  |
| — backwards   | 0 mm   |  |  |
| — at the side   | 30 mm  |  |  |
| — forwards  | 0 mm   |  |  |
| Connections/ Terminals  | V IIIII  |  |  |
| type of electrical connection   |  |  |  |
| for main current circuit  | corow type terminals                             |  |  |
| arrangement of electrical connectors for main current                                   | screw-type terminals                             |  |  |
| 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 mm²), 2x (0.75 2.5 mm²)              |  |  |
| for AWG cables for main contacts  | 2x (18 14), 2x 12                                |  |  |
| tightening torque   |  |  |  |
| for main contacts with screw-type terminals   | 0.8 1.2 N·m                                      |  |  |
| design of screwdriver shaft   | Diameter 5 to 6 mm                               |  |  |
| size of the screwdriver tip   | Pozidriv size 2                                  |  |  |
| design of the thread of the connection screw  |  |  |  |
| • for main contacts   | M3   |  |  |
| Safety related data   | IVIO   |  |  |
|   |  |  |  |
| proportion of dangerous failures  | 50 %   |  |  |
| with low demand rate according to SN 31920  with high demand rate according to SN 30000 |  |  |  |
| with high demand rate according to SN 31920   | 50 %   |  |  |
| B10 value with high demand rate according to SN 31920                                   | 5 000  |  |  |
| failure rate [FIT] with low demand rate according to SN 31920                           | 50 FIT   |  |  |
| IEC 61508   |  |  |  |
| T1 value  |  |  |  |
| <ul> <li>for proof test interval or service life according to IEC<br/>61508</li> </ul>  | 10 a   |  |  |
| Electrical Safety   |  |  |  |
| protection class IP on the front according to IEC 60529                                 | IP20   |  |  |
| touch protection on the front according to IEC 60529                                    | finger-safe, for vertical contact from the front |  |  |
| display version for switching status  | Handle   |  |  |
| Approvals Certificates  |  |  |  |
| General Product Approval  |  |  |  |
| · ·   |  |  |  |
|   |  |  |  |









| General Product Ap- | For use in hazardous locations | Test Certificates | Marine / Shipping |
|---------------------|--------------------------------|-------------------|-------------------|
|---------------------|--------------------------------|-------------------|-------------------|







Type Test Certificates/Test Report

**Special Test Certific-**<u>ate</u>



Marine / Shipping

other











Miscellaneous

other

Railway

**Environment** 

Confirmation



Confirmation



**Environmental Confirmations** 

## Further information

Information on the packaging

.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2011-0FA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-0FA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0FA10

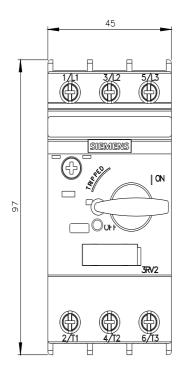
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

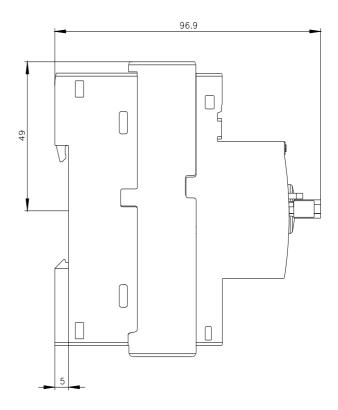
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2011-0FA10&lang=en

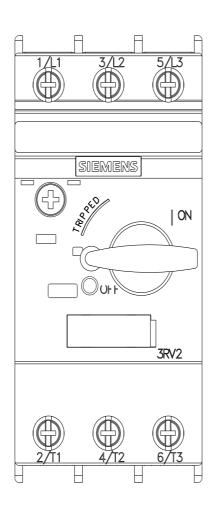
Characteristic: Tripping characteristics, I2t, Let-through current

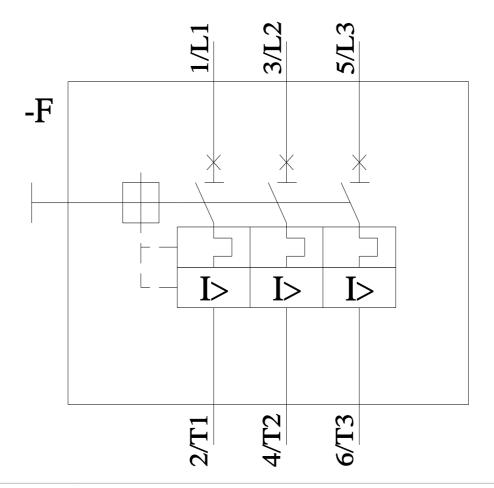
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-0FA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-0FA10&objecttype=14&gridview=view1









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