SIEMENS

Data sheet

3RV2031-4BA15-0BA0



Special type Circuit breaker size S2 for motor protection, Class 10 A-release 14...20 A Short-circuit release 260 A Screw terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC Ambient temperature -50 °C 250 switching cycles

Figure similar

| product brand name | SIRIUS |
|--|---|
| product designation | Circuit breaker |
| design of the product | For motor protection |
| 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 | |
| at AC in hot operating state | 14.5 W |
| at AC in hot operating state per pole | 4.8 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 (operating cycles) | |
| of the main contacts typical | 250 |
| of auxiliary contacts typical | 250 |
| electrical endurance (operating cycles) typical | 250 |
| reference code according to IEC 81346-2 | Q |
| | |
| Substance Prohibitance (Date) | 10/15/2014 |
| Substance Prohibitance (Date) Ambient conditions | 10/15/2014 |
| | 10/15/2014 2 000 m |
| Ambient conditions | |
| Ambient conditions installation altitude at height above sea level maximum | |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature | 2 000 m |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation | 2 000 m -50 +60 °C |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage | 2 000 m -50 +60 °C -50 +80 °C |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport relative humidity during operation | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % |
| 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 | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % |
| 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 | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 14 20 A |
| 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 | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 14 20 A |
| 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 operating frequency rated value | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 14 20 A 20 690 V 690 V 50 60 Hz |
| 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 operating frequency rated value operational current rated value | 2 000 m -50 +60 °C -50 +80 °C -50 +80 °C 10 95 % 3 14 20 A 20 690 V 690 V 50 60 Hz |

| | • at AC-3 | |
|--|---|---|
| | — at 230 V rated value | 5.5 kW |
| operating frequency ** at AC-3 maximum ** at | — at 400 V rated value | 7.5 kW |
| operating frequency at AC-3 maximum Auxillary circum design of the auxillary switch number of NC contacts for auxillary contacts 1 number of NC contacts for auxillary contacts 1 number of NC contacts for auxillary contacts 2 A at 230 V at 230 V operational current of auxillary contacts at DC-13 at 14 V at 220 V operational current of auxillary contacts at DC-13 at 14 V at 15 V at 16 V at 17 V operational current of auxillary contacts at DC-13 at 17 V at 18 | — at 500 V rated value | 11 kW |
| ## AC-3 maximum design of the auxillary switch number of NC contacts for auxillary contacts number of CO contacts for auxillary contacts number of CO contacts for auxillary contacts at AC-15 ## 22 A ## 22 A ## 23 AV ## 23 AV ## 24 AV ## 25 AC ## 25 AC ## 26 BC ## 26 BC ## 27 AV ## 27 AC ## 27 AV ## 27 AC ## 27 AV ## 27 AC ## 27 | — at 690 V rated value | 15 kW |
| ## AC-3 maximum design of the auxillary switch number of NC contacts for auxillary contacts number of CO contacts for auxillary contacts number of CO contacts for auxillary contacts at AC-15 ## 22 A ## 22 A ## 23 AV ## 23 AV ## 24 AV ## 25 AC ## 25 AC ## 26 BC ## 26 BC ## 27 AV ## 27 AC ## 27 AV ## 27 AC ## 27 AV ## 27 AC ## 27 | | |
| Auxiliary circuit design of the auxiliary switch transverse | | 15 1/h |
| design of the auxiliary which number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 3 number of NC contacts for auxiliary contacts 4 1 number of NC contacts for auxiliary contacts 4 2 1 2 2 3 3 3 3 4 2 4 3 1 3 3 3 4 3 4 4 6 1 6 0 0 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| number of NC contacts for auxiliary contacts number of OC contacts for auxiliary contacts number of OC contacts for auxiliary contacts operational current of auxiliary contacts at AC+1S at AC+2V at 230 V operational current of auxiliary contacts at DC-13 at 24 V at 300 V operational current of auxiliary contacts at DC-13 at 24 V at 300 V other of AC+2C V other | | transverse |
| number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts | | |
| number of CO contacts for auxillary contacts | | |
| operational current of auxiliary contacts at AC-15 al 24 V 0.5 A | | |
| eat 24 V at 230 V 0.5 A | | |
| • at 230 V and sulfilary contacts at DC-13 • at 24 V • at 50 V • at 110 V • at 125 V • at 126 V • at 127 V • at 20 V • at 128 V • at 20 V rated value • at 30 V rated va | | 2 Δ |
| operational current of auxillary contacts at DC-13 • at 24 V • at 100 V • at 110 V • at 110 V • at 125 V • at 126 V rated value • at 127 V rated value • at 126 V rated value • at 127 V rate | | |
| * at 24 V * at 60 V * at 110 V * at 110 V * at 125 V * at 220 V * at 220 V * Protective and monitoring functions product function * ground fault detection * product flunction * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive and monitoring functions * productive flunctions * productive detection * yes * at 240 V rated value * at AC at 400 V rated value * at AC at 400 V rated value * at 25 kA * at 200 V rated value * at 360 V rated value * at 400 V rated value * at 400 V rated value * at 400 V rated value * at 800 V rated value | | 0.5 A |
| at 160 V at 110 V at 110 V at 125 V at 122 V at 122 V at 122 W at 120 W | | 1.0 |
| at 110 V at 125 V b at 229 V cat 249 V cat 240 V cat 25 V cat 25 V cat 25 V cat 25 V cat 26 V cat 27 V cat 26 V cat 27 V cat 26 V | | |
| e at 125 V 0 0 A at 220 V 0 A Protective and monitoring functions product function e ground fault detection Ves trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) e at AC at 240 V rated value 50 kA e at AC at 400 V rated value 5 kA operating short-circuit current breaking capacity (Icu) e at AC at 400 V rated value 5 kA e at 240 V rated value 25 kA e at 240 V rated value 25 kA e at 400 V rated value 3 kA e at 400 V rated value 40 kA e at 400 V rated value 5 kA e at 400 V rated value 3 kA e at 500 V rated value 3 kA e at 500 V rated value 5 kA e at 500 V rated value 5 kA e at 500 V rated value 6 kA e at 500 V rated value 7 kB e at 500 V rated value 8 kA e at 600 V rated value 9 kA e at 600 V rated value | | |
| e at 220 V Protective and monitoring functions product function e ground fault detection phase failure detection ves trip class CLASS 10 design of the overload release design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 240 V rated value 50 kA at AC at 500 V rated value 55 kA cat Cat 690 V rated value 55 kA cat 240 V rated value 56 kA cat 240 V rated value 57 kA cat 250 V rated value 58 kA cat 350 V rated value 58 kA cat 350 V rated value 58 kA 58 | | |
| Protective and monitoring functions product function | | |
| product function • ground fault detection • phase failure detection • product function • product function • product function • product function short circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 680 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 600 V rated value • at 60 | | UA |
| • ground fault detection • phase failure detection Yes trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 400 V rated value • at 600 V rated value • for short-circuit protection • at 600 V rated value • at 600 V rated value • at 600 V rated value • for short-circuit protection of the auxiliary switch required • design of the fuse link or IT network for short-circuit • at 240 V | · · · · · · · · · · · · · · · · · · · | |
| phase failure detection rip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (Icu) 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 AC at 500 V rated value be at AC at 500 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 600 V rated value be at 600 V rated value be at 600 V rated value at 600 V rated value be at 600 V rated value fresponse value current of instantaneous short-circuit trip unit be at 600 V rated value be at 600 V rated value fuses of the short-circuit trip 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 protection of the main circuit at 240 V at 600 V at 600 V product function short circuit from the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 600 V see G6: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse g6: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse g6: 3 A Installation mounting/ dimensions mounting position any seew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 40 mm required spacing with side-by-side mounting at the side for grounded parts at 400 V —downwards —quwards —at the side for live parts at 400 V | • | |
| trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 500 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value product function short circuit protection product function short circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit • at 240 V • at 690 V at 690 V gG 63 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 width • 55 mm depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V | - | |
| design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value 50 kA at AC at 400 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 25 kA at 400 V rated value 25 kA at 400 V rated value 25 kA at 400 V rated value 25 kA at 690 V rated value 3 kA response value current of instantaneous short-circuit trip unit 260 A Short-circuit protection product function short circuit trip design of the fuse link 6 for short-circuit trip design of the fuse link 6 for short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit at 240 V at 690 V a | · | |
| maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 25 kA at 500 V rated value 25 kA at 500 V rated value 3 kA response value current of instantaneous short-circuit trip unit 260 A Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection at 240 V at 690 V gG 63 A Installation mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height width 55 mm depth required spacing with side-by-side mounting at the side for grounded parts at 400 V - downwards - at the side for live parts at 400 V for live parts at 400 V operating short-circuit current live side for live parts at 400 V | <u> </u> | |
| at AC at 400 V rated value at AC at 400 V rated value 50 kA at AC at 500 V rated value 55 kA operating short-circuit current breaking capacity (ics) at AC at 240 V rated value 25 kA at 400 V rated value 25 kA at 400 V rated value 25 kA at 400 V rated value 3 kA at 500 V rated value 46 kA at 500 V rated value 3 kA response value current of instantaneous short-circuit trip unit 260 A Short-circuit protection product function short circuit protection design of the fuse link 6 for short-circuit protection of the auxiliary switch required design of the fuse link 6 for short-circuit protection of the main circuit at 240 V 96 83 A Installation/ mounting/ dimensions mounting position fastening method beight 140 mm required spacing with side-by-side mounting at the side 6 for live parts at 400 V - downwards - upwards - upwards - upwards - for live parts at 400 V for live parts at 400 V - downwards - at the side - for live parts at 400 V | | thermal |
| at AC at 400 V rated value at AC at 500 V rated value 5 kA operating short-circuit current breaking capacity (ics) at AC at 240 V rated value 25 kA at 400 V rated value 25 kA at 400 V rated value 25 kA at 500 V rated value 3 kA response value current of instantaneous short-circuit trip unit 260 A Short-circuit protection product function short circuit protection product function short-circuit trip design of the short-circuit protection of the auxiliary switch required 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 protection of the main circuit at 890 V 36 63 A Installation/mounting/dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height width 55 mm depth required spacing with side-by-side mounting at the side for grounded parts at 400 V - downwards - upwards - upwards - at the side for live parts at 400 V | maximum short-circuit current breaking capacity (Icu) | |
| at AC at 500 V rated value at AC at 680 V rated value 5 kA operating short-circuit current breaking capacity (ics) at AC at 240 V rated value 25 kA at 400 V rated value 25 kA at 500 V rated value 26 kA 3 kA response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip 40 design of the fuse link 60 for short-circuit protection of the auxiliary switch required 40 at 690 V gG 63 A Installation/ mounting/ dimensions mounting position fastening method acrew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 40 mm width 55 mm 40 produced space at 400 V - downwards - upwards - upwards - ut the side - for live parts at 400 V | • at AC at 240 V rated value | 50 kA |
| at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value block A at 500 V rated value at 500 V rated value cresponse value current of instantaneous short-circuit trip unit short-circuit protection product function short circuit protection design of the short-circuit protection of the short-circuit protection of the fuse link of or short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 560 V gG 63 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height uidth depth 140 mm width depth for grounded parts at 400 V — downwards — of mywards — upwards — upwards — upwards — of the less lide of rolive parts at 400 V | • at AC at 400 V rated value | 50 kA |
| operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 500 V rated value at 500 V rated value at 600 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic design of the fuse link of or short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 680 V gG 63 A Installation/mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height the minimum of the side of rive parts at 400 V downwards so mm on minimum of minimu | • at AC at 500 V rated value | 12 kA |
| at 240 V rated value at 500 V rated value short-circuit protection product function short circuit protection product function short circuit protection for short-circuit protection for short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit at 240 V at 630 V at 630 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height uith side-by-side mounting at the side for grounded parts at 400 V — downwards — upwards — at the side for live parts at 400 V for short-circuit protection of the main circuit of the fuse link for IT network for short-circuit protection of the main circuit none required ga 63 A Installation/ mounting/ dimensions mounting position fastening method for grounded parts at 400 V — downwards — upwards — at the side for live parts at 400 V | at AC at 690 V rated value | 5 kA |
| at 400 V rated value at 500 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit protection yes design of the short-circuit trip design of the fuse link at 500 V rated value at 500 V at 500 V at 600 V and 600 V at 600 V and 600 V at | operating short-circuit current breaking capacity (lcs) at AC | |
| at 500 V rated value at 68 kA at 690 V rated value aresponse value current of instantaneous short-circuit trip unit as 68 kA Short-circuit protection Product function short circuit protection design of the short-circuit trip asgnetic design of the fuse link of or short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 690 V gG 63 A Installation/mounting/dimensions mounting position any fastening method beight at 400 M width 55 mm depth required spacing with side-by-side mounting at the side of or grounded parts at 400 V - downwards - upwards - at the side of relive parts at 400 V | • at 240 V rated value | 25 kA |
| at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function 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 protection of the main circuit at 240 V at 690 V gG 63 A Installation/mounting/dimensions mounting position fastening method height alva indepth required spacing with side-by-side mounting at the side of regrounded parts at 400 V design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 240 | • at 400 V rated value | 25 kA |
| response value current of instantaneous short-circuit trip unit Short-circuit protection product function 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 protection of the main circuit • at 240 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height 140 mm width depth required spacing • with side-by-side mounting at the side • for grounded parts at 400 V — downwards — upwards — upwards — at the side • for live parts at 400 V | • at 500 V rated value | 6 kA |
| Short-circuit protection Product function short circuit protection Yes | • at 690 V rated value | 3 kA |
| product function short circuit protection design of the short-circuit trip magnetic design of the fuse link of or short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V of at 690 V gG 63 A Installation/ mounting/ dimensions mounting position fastening method height at 140 nm width for grounded parts at 400 V of grounded | response value current of instantaneous short-circuit trip unit | 260 A |
| 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 protection of the main circuit • at 240 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height vidth vidth for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 | 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 protection of the main circuit • at 240 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method height vidth vidth for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) fuse gG: 10 A, miniature circuit breaker C 6 | product function short circuit protection | Yes |
| design of the fuse link | <u> </u> | |
| for short-circuit protection of the auxiliary switch required design of the fuse link for IT network for short-circuit protection of the main circuit | | |
| design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 690 V gG 63 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 140 mm width 55 mm depth 149 mm 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 | - | fuse gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A) |
| at 240 V at 690 V gG 63 A Installation/ mounting/ dimensions mounting position any fastening method beight width 55 mm depth required spacing with side-by-side mounting at the side for grounded parts at 400 V downwards upwards any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 140 mm o mm for grounded parts at 400 V downwards upwards at the side for mm for live parts at 400 V o for live parts at 400 V | design of the fuse link for IT network for short-circuit | (|
| at 690 V Installation/ mounting/ dimensions mounting position fastening method height 140 mm width 55 mm 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 Installation/ mounting dimensions any any gG 63 A any any<td>·</td><td>none required</td> | · | none required |
| mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 140 mm width 55 mm depth 149 mm 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 | | |
| mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 140 mm width 55 mm depth 149 mm 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 | | 30 40,1 |
| fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 140 mm width 55 mm 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 | | any |
| height width 55 mm depth 149 mm 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 | | · |
| width depth 149 mm 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 | | |
| depth required spacing | | |
| 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 | | |
| 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 | _ · | 1101110111 |
| for grounded parts at 400 V — downwards | | 0.000 |
| — downwards — upwards — at the side • for live parts at 400 V | | UTIIII |
| — upwards — at the side • for live parts at 400 V 50 mm 10 mm | | F0 |
| — at the side 10 mm • for live parts at 400 V | | |
| ● for live parts at 400 V | · | |
| | | 10 mm |
| — downwards 50 mm | | |
| | — downwards | 50 mm |

| — upwards | 50 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 | |
| — at the side | 10 mm | |
| • for live parts at 690 V | 10 111111 | |
| • | FO | |
| — downwards | 50 mm | |
| — upwards | 50 mm | |
| — at the side | 10 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 (1 25 mm²), 1x (1 35 mm²) | |
| finely stranded with core end processing | 2x (1 16 mm²), 1x (1 25 mm²) | |
| 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 mm²), 2x (0.75 2.5 mm²) | |
| tightening torque | | |
| for main contacts with screw-type terminals | 3 4.5 N·m | |
| for auxiliary 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 | 1 OZIGITY SIZO Z | |
| • for main contacts | M6 | |
| of the auxiliary and control contacts | M3 | |
| | WIS | |
| Safety related data | | |
| proportion of dangerous failures | 50.04 | |
| 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 test interval or service life according to IEC 61508 | 10 a | |
| 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 | Declaration of Conformity Test Certification | cates |
| Confirmation KC | Special Tes | t Certific- |
| tHL | CE UK Special Tes | |

Test Certificates Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other

Railway



Confirmation



Vibration and Shock

Confirmation

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

https://support.industry.siemens.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=3RV2031-4BA15-0BA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2031-4BA15-0BA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4BA15-0BA0

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

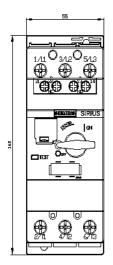
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2031-4BA15-0BA0&lang=en

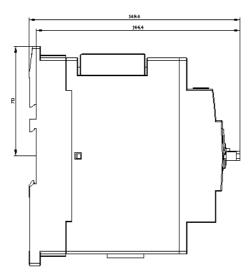
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4BA15-0BA0/char

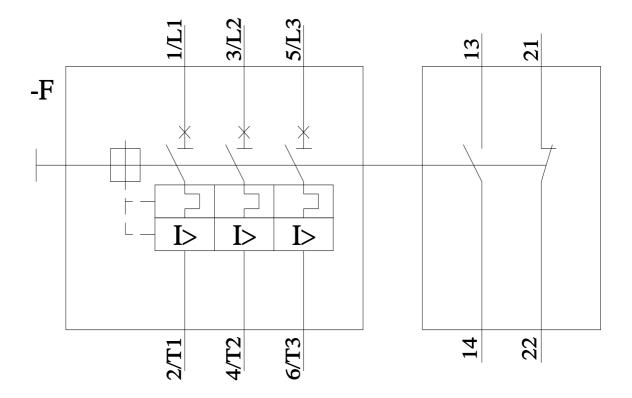
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2031-4BA15-0BA0&objecttype=14&gridview=view1









last modified: 11/21/2022 🖸