SIEMENS

product brand name

Data sheet 3RV2811-0JD10





Circuit breaker size S00 for transformer protection with approval circuit breaker UL 489, CSA C22.2 No.5-02 A-release 1 A N-release 21 A screw terminal Standard switching capacity



| P. C. | |
|---|---|
| product designation | Circuit breaker |
| design of the product | For transformer protection according to UL 489/CSA C22.2 No.5 |
| product type designation | 3RV2 |
| General technical data | |
| size of the circuit-breaker | S00 |
| product extension auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 5.5 W |
| at AC in hot operating state per pole | 1.8 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 | 25 g / 11 ms (rectangular impulse and sine pulse) |
| mechanical service life (operating cycles) | |
| of the main contacts typical | 100 000 |
| of auxiliary contacts typical | 100 000 |
| electrical endurance (operating cycles) typical | 100 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| 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 +60 °C |
| during storage | -50 +80 °C |
| during transport | -50 +80 °C |
| relative humidity during operation | 10 95 % |
| Main circuit | |
| number of poles for main current circuit | 3 |
| operating voltage | |
| rated value | 20 690 V |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operating frequency rated value | 50 60 Hz |
| operational current rated value | 1 A |
| operational current | |
| at AC-3 at 400 V rated value | 1 A |

SIRIUS

| 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 500 V • at 690 V gG 10 A | at AC-3e at 400 V rated value | |
|---|---|--|
| ## AC AC 320 V rated value | | 1 A |
| | operating power | |
| at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 400 V rated value at 600 V rated va | • at AC-3 | |
| at 500 V rated value at 600 V rated value at 200 V rated value at 500 V rated value at 600 V rated value at | — at 230 V rated value | 0.2 kW |
| at 500 V rated value - at 1230 V rated value - at 400 V rated value - at 500 V rated value - at 515 th - 51 | — at 400 V rated value | 0.3 kW |
| | — at 500 V rated value | 0.4 kW |
| — at 230 V rated value | — at 690 V rated value | 0.6 kW |
| - at 400 V rated value | • at AC-3e | |
| - at 500 V rated value | — at 230 V rated value | 0.2 kW |
| - at 500 V rated value | — at 400 V rated value | 0.3 kW |
| → at 800 V rated value 0.6 kW | | |
| Operating frequency | | |
| + alt AC-3 maximum | | 0.0 KT |
| Protective and monitoring functions Product function • ground fault detection • phase failure detection • ground fault detection • ground groun | | 15.1/h |
| Protective and monitoring functions product function | | |
| Product function Figure detection No Phase Reliable detection No Phase Reliable detection No Reliable det | | 10 1/11 |
| | | |
| • phase failure detection | • | Ma |
| design of the overload release | · · | |
| maximum short-circuit current breaking capacity (icu) al AC at 240 V rated value al AC at 400 V rated value at AC at 500 V rated value at AC at 500 V rated value at AC at 500 V rated value at 400 AC 7/277 V according to UL 489 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 at 600 V rated value at | | |
| | | thermal |
| • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 600 V rated value • at 480 AC Y277 V according to UL 489 rated value • at 480 AC Y277 V according to UL 489 rated value operating short-circuit current breaking capacity (tcs) at AC • at 240 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit Short-circuit protection product function short circuit trip magnetic design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 500 V • gG 10 A • at 500 V • at 690 | | 40014 |
| | | |
| | | |
| • at 480 AC Y/277 V according to UL 489 rated value 65 kA operating short-circuit current breaking capacity (Ics) at AC 100 kA • at 240 V rated value 100 kA • at 500 V rated value 100 kA • at 690 V rated value 100 kA response value current of instantaneous short-circuit trip unit 21 A Short-circuit protection Yes design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V gG 10 A e at 500 V gG 10 A Installation mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V 30 mm — downwards 30 mm — at the side 30 mm • for live parts at 400 V - downwards — at the side 30 mm • for grounded parts at 500 V - downwards | | |
| operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value response value current of instantaneous short-circuit trip unit Product function 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 • at 500 V • at 690 V at 690 V at 690 V at 690 V fastening method fastening method fastening method depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V | | |
| at 240 V rated value at 400 V rated value at 400 V rated value 100 kA at 500 V rated value 100 kA response value current of instantaneous short-circuit trip unit 21 A Short-circuit protection product function short circuit protection design of the short-circuit trip | | 65 kA |
| at 400 V rated value at 500 V rated value at 690 V rated value tesponse value current of instantaneous short-circuit trip unit Short-circuit protection Product function short circuit protection design of the short-circuit trip at 500 V at 690 V beginning beginning Mounting position fastening method height width depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V | operating short-circuit current breaking capacity (Ics) at AC | |
| at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit product function 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 500 V at 690 V at 690 V gG 10 A gG 10 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 depth 97 mm required spacing for grounded parts at 400 V — downwards — at the side for live parts at 400 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V | at 240 V rated value | 100 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 at 500 V * at 690 V * at 690 V * at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V | at 400 V rated value | 100 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 IT network for short-circuit protection of the main circuit • at 500 V gG 10 A gG 10 A sat 690 V gG 10 A Installation/mounting/dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V | • at 500 V rated value | 100 kA |
| product function short circuit protection product function short circuit trip design of the short-circuit trip • at 500 V • at 690 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 44 mm width 45 mm depth • for grounded parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V | at 690 V rated value | 100 kA |
| 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 500 V • at 690 V sqG 10 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for live parts at 500 V | response value current of instantaneous short-circuit trip unit | 21 A |
| design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V gG 10 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V | Short-circuit protection | |
| design of the fuse link for IT network for short-circuit protection of the main circuit • at 500 V • at 690 V gG 10 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — at the side • for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V | product function short circuit protection | Yes |
| protection of the main circuit at 500 V at 690 V Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing for grounded parts at 400 V - downwards - at the side for live parts at 400 V - downwards - at the side 30 mm for grounded parts at 400 V - downwards 30 mm for grounded parts at 400 V - downwards 30 mm for grounded parts at 400 V - downwards 30 mm for grounded parts at 400 V - downwards 30 mm - at the side 30 mm - at the side 30 mm for grounded parts at 500 V - downwards 30 mm for grounded parts at 500 V - downwards 30 mm - at the side 30 mm - in the side 30 mm | design of the short-circuit trip | magnetic |
| ● at 690 V gG 10 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 144 mm width 45 mm depth 97 mm required spacing ● for grounded parts at 400 V — downwards 30 mm — at the side 30 mm ● for live parts at 400 V — downwards 30 mm • for grounded parts at 400 V — downwards 30 mm • for grounded parts at 400 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm • the side 30 mm • for grounded parts at 500 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm • for grounded parts at 500 V — downwards 30 mm — upwards 30 mm — upwards 30 mm — upwards 30 mm — of prive parts at 500 V | | |
| mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V - downwards 30 mm - at the side 30 mm - upwards - upwards 30 mm • for live parts at 400 V - downwards 30 mm - at the side 30 mm - at the side 30 mm • for grounded parts at 500 V - downwards 30 mm • for live parts at 500 V | | |
| mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 height 144 mm width 45 mm depth 97 mm required spacing for grounded parts at 400 V - downwards - at the side of or live parts at 400 V - downwards - upwards - upwards - at the side of or grounded parts at 400 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - at the side of or grounded parts at 500 V - downwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards - upwards - upwards - at the side of or grounded parts at 500 V - downwards - upwards | • at 500 V | gG 10 A |
| fastening method height 144 mm width 45 mm depth 97 mm required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — upwards — upwards — upwards — upwards — of for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V — downwards — at the side • for grounded parts at 500 V — downwards — at the side — of grounded parts at 500 V — downwards — upwards — upwards — at the side — of grounded parts at 500 V — downwards — upwards — upwards — upwards — upwards — of grounded parts at 500 V — downwards — upwards — of grounded parts at 500 V — downwards — upwards — upwards — of the side — of for live parts at 500 V | | |
| height 144 mm width 45 mm depth 97 mm required spacing | | |
| width 45 mm depth 97 mm required spacing For grounded parts at 400 V — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 400 V 30 mm — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V | • at 690 V Installation/ mounting/ dimensions | gG 10 A |
| depth 97 mm required spacing For grounded parts at 400 V — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 400 V 30 mm — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V 50 mm | • at 690 V Installation/ mounting/ dimensions mounting position | gG 10 A any |
| required spacing • for grounded parts at 400 V — downwards — upwards — at the side 30 mm • for live parts at 400 V — downwards — upwards — upwards — at the side 30 mm • for grounded parts at 500 V — downwards — at the side 30 mm • for grounded parts at 500 V — downwards — upwards — upwards — upwards — upwards — of mrounded parts at 500 V — downwards — upwards — upwards — upwards — upwards — of mrounded parts at 500 V | at 690 V Installation/ mounting/ dimensions mounting position fastening method | gG 10 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| for grounded parts at 400 V — downwards — upwards — at the side for live parts at 400 V — downwards — upwards — at the side for grounded parts at 500 V — downwards — at the side for grounded parts at 500 V — downwards — upwards — upwards<!--</td--><td>at 690 V Installation/ mounting/ dimensions mounting position fastening method height</td><td>gG 10 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm</td> | at 690 V Installation/ mounting/ dimensions mounting position fastening method height | gG 10 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm |
| — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 400 V 30 mm — downwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — upwards 30 mm — at the side 30 mm • for live parts at 500 V 30 mm | at 690 V Installation/ mounting/ dimensions mounting position fastening method height width | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm |
| — upwards 30 mm — at the side 30 mm ● for live parts at 400 V — — downwards 30 mm — upwards 30 mm ● for grounded parts at 500 V — — downwards 30 mm — upwards 30 mm — at the side 30 mm ● for live parts at 500 V | at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm |
| — at the side ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — upwards — upwards — at the side 30 mm — at the side 9 for live parts at 500 V | 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 144 mm 45 mm |
| — at the side ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — upwards — upwards — at the side 30 mm — at the side 9 for live parts at 500 V | at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm |
| for live parts at 400 V downwards upwards at the side for grounded parts at 500 V downwards upwards upwards upwards at the side onm | at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing for grounded parts at 400 V — downwards | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm |
| — downwards 30 mm — upwards 30 mm — at the side 30 mm • for grounded parts at 500 V 30 mm — downwards 30 mm — upwards 30 mm — at the side 30 mm • for live parts 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 | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm |
| — upwards 30 mm — at the side 30 mm ● for grounded parts at 500 V — downwards 30 mm — upwards 30 mm — at the side 30 mm ● for live parts 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 | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm |
| — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for live parts 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 ● for live parts at 400 V | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm |
| for grounded parts at 500 V — downwards — upwards — at the side for live parts at 500 V 30 mm 30 mm | at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing at for grounded parts at 400 V — downwards — upwards — at the side for live parts at 400 V — downwards | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm |
| — downwards — upwards — at the side • for live parts at 500 V 30 mm 30 mm | • at 690 V Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • for grounded parts at 400 V | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm |
| — upwards — at the side • for live parts at 500 V 30 mm 30 mm | ● 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 ● for live parts at 400 V — downwards — upwards — at the side ● for live parts at 400 V — downwards — upwards — at the side | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm |
| — at the side 30 mm • for live parts 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 ● for live parts at 400 V — downwards — upwards — at the side • for grounded parts at 500 V | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |
| • for live parts 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 ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 400 V — downwards — upwards — upwards — upwards — upwards — at the side ● for grounded parts at 500 V — downwards | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |
| | ● 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 ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |
| — downwards 30 mm | ● 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 ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |
| | ● 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 ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for live parts at 500 V | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |
| — upwards 30 mm | ● 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 ● for live parts at 400 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — at the side ● for live parts at 500 V — downwards — at the side | any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 144 mm 45 mm 97 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm 30 mm |

| — at the side | 30 mm |
|---|--|
| for grounded parts at 690 V | |
| — downwards | 70 mm |
| — upwards | 70 mm |
| — backwards | 0 mm |
| — at the side | 30 mm |
| — forwards | 0 mm |
| • for live parts at 690 V | |
| — downwards | 70 mm |
| — upwards | 70 mm |
| — backwards | 0 mm |
| | |
| — at the side | 30 mm |
| — forwards | 0 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | screw-type terminals |
| arrangement of electrical connectors for main current circuit | Top and bottom |
| type of connectable conductor cross-sections | |
| • for main contacts | |
| — solid or stranded | 1 10 mm², max. 2x 10 mm² |
| finely stranded with core end processing | 1 16 mm², max. 6 + 16 mm² |
| for AWG cables for main contacts | 2x (14 10) |
| | ZX (14 10) |
| tightening torque | 0.5 O.M |
| for main contacts with screw-type terminals | 2.5 3 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 | M4 |
| | |
| Safety related data | |
| product function suitable for safety function | Yes |
| product function suitable for safety function suitability for use | |
| product function suitable for safety function | Yes |
| product function suitable for safety function suitability for use | |
| product function suitable for safety function suitability for use • safety-related switching on | No |
| product function suitable for safety function suitability for use safety-related switching on safety-related switching OFF | No Yes |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum | No Yes 10 a |
| product function suitable for safety function suitability for use | No Yes 10 a |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures | No Yes 10 a Yes |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 | No Yes 10 a Yes 40 % |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 | No Yes 10 a Yes 40 % 50 % |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN | No Yes 10 a Yes 40 % 50 % 5 000 |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 | No Yes 10 a Yes 40 % 50 % 5 000 |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT |
| product function suitable for safety function suitability for use | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT |
| product function suitable for safety function suitability for use | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a |
| product function suitable for safety function suitability for use | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a |
| product function suitable for safety function suitability for use | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front |
| product function suitable for safety function suitability for use • safety-related switching on • safety-related switching OFF service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 T1 value • for proof test interval or service life according to IEC 61508 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Display display version for switching status | No Yes 10 a Yes 40 % 50 % 5 000 50 FIT 3 Yes Type A 10 a IP20 finger-safe, for vertical contact from the front |







Confirmation



<u>KC</u>

General Product Approval

Test Certificates

Marine / Shipping

other



Special Test Certificate

Type Test Certificates/Test Report





Confirmation

other

Railway

Environment

Miscellaneous



Special Test Certificate



Siemens EcoTech



Environmental Confirmations

Further information

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=3RV2811-0JD10

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RV2811-0JD10}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-0JD10

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

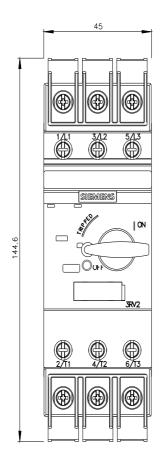
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2811-0JD10\&lang=en}}$

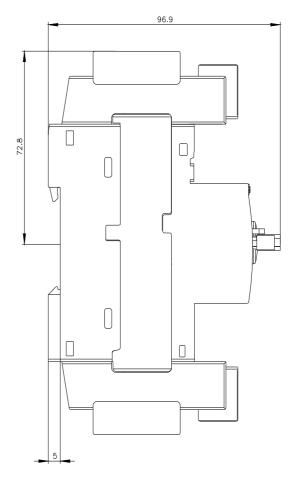
Characteristic: Tripping characteristics, l^2t , Let-through current

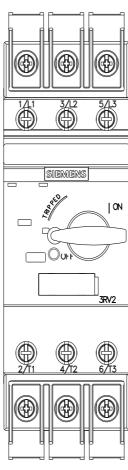
https://support.industry.siemens.com/cs/ww/en/ps/3RV2811-0JD10/char

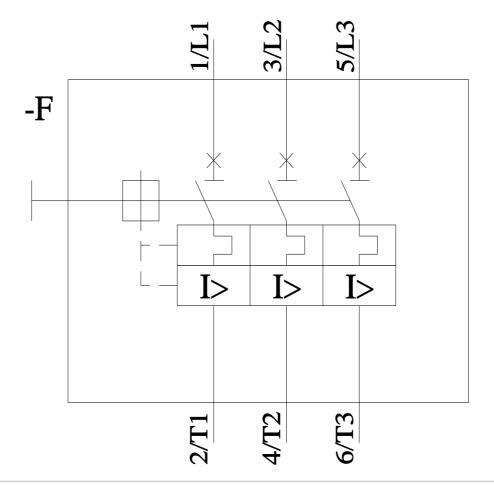
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2811-0JD10&objecttype=14&gridview=view1









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