SIEMENS

Data sheet 3RV2011-1BA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 1.4...2 A N-release 26 A screw terminal Standard switching capacity

| 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 | S00 |
| size of contactor can be combined company-specific | S00, S0 |
| product extension auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 7.25 W |
| at AC in hot operating state per pole | 2.4 W |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation in networks with grounded star point | |
| between main and auxiliary circuit | 400 V |
| between main and auxiliary circuit | 400 V |
| shock resistance acc. to IEC 60068-2-27 | 25g / 11 ms |
| mechanical service life (switching cycles) | |
| of the main contacts typical | 100 000 |
| of auxiliary contacts typical | 100 000 |
| electrical endurance (switching cycles) typical | 100 000 |
| type of protection according to ATEX directive 2014/34/EU | Ex II (2) GD |
| certificate of suitability according to ATEX directive 2014/34/EU | DMT 02 ATEX F 001 |
| reference code acc. to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 01.10.2009 00:00:00 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature during operation | -20 +60 °C |
| ambient temperature during storage | -50 +80 °C |
| ambient temperature during transport | -50 +80 °C |
| temperature compensation | -20 +60 °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 | 1.4 2 A |
|---|--|
| operating voltage rated value | 690 V |
| operating voltage at AC-3 rated value maximum | 690 V |
| operating frequency rated value | 50 60 Hz |
| operational current rated value | 2 A |
| operational current at AC-3 at 400 V rated value | 2 A |
| operating power at AC-3 | |
| at 230 V rated value | 370 W |
| • at 400 V rated value | 750 W |
| at 500 V rated value | 750 W |
| at 690 V rated value | 1 100 W |
| operating frequency at AC-3 maximum | 15 1/h |
| Auxiliary circuit | |
| | 0 |
| number of NC contacts for auxiliary contacts | |
| 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 |
| breaking capacity operating short-circuit current (Ics) at AC | |
| at 240 V rated value | 100 kA |
| at 400 V rated value | 100 kA |
| at 500 V rated value | 100 kA |
| ● at 690 V rated value | 10 kA |
| breaking capacity maximum short-circuit current (Icu) | |
| at AC at 240 V rated value | 100 kA |
| at AC at 400 V rated value | 100 kA |
| at AC at 500 V rated value | 100 kA |
| at AC at 690 V rated value | 10 kA |
| response value current of instantaneous short-circuit trip unit | 26 A |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| • at 480 V rated value | 2 A |
| at 600 V rated value | 2 A |
| yielded mechanical performance [hp] | |
| • for single-phase AC motor | |
| — at 230 V rated value | 0.125 hp |
| for 3-phase AC motor | 0.125 Hp |
| — at 460/480 V rated value | 0.75 hp |
| | 0.75 hp |
| — at 575/600 V rated value | 1 hp |
| Short-circuit protection | |
| product function short circuit protection | Yes |
| design of the short-circuit trip | magnetic |
| design of the fuse link for IT network for short-circuit protection of the main circuit | |
| • at 400 V | gL/gG 25 A |
| • at 500 V | gL/gG 25 A |
| ● at 690 V | gL/gG 20 A |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| fastening method | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 |
| height | 97 mm |
| noight | Vr min |

| 45 mm 45 m | | 45 mm |
|--|--|-----------------------------|
| For grounded parts at 400 V | | |
| • for grounded parts at 400 V | ed spacing | |
| downwards upwards 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 for live parts at 500 V downwards at the side for live parts at 500 V downwards at the side for grounded parts at 690 V downwards at the side for grounded parts at 690 V downwards upwards the side forwards upwards the side forwards upwards the side forwards the side forwards upwards upwards the side forwards upwards upwards the side forwards upwards the side forman upwards the side forwards upwards the side forman the side forman the side forman the side the si | | |
| ■ to for live parts at 40 0 V ─ downwards — upwards — at the side ● for grounded parts at 500 V — downwards — upwards — upwards — at the side ● for five parts at 500 V — downwards — upwards — at the side ● for live parts at 500 V — downwards — upwards — of or grounded parts at 690 V — downwards — upwards — of ror grounded parts at 690 V — downwards — upwards — backwards — upwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — downwards — or live parts at 690 V — or live part | | 30 mm |
| • for live parts at 40 0 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for grounded parts at 500 V - downwards - at the side • for live parts at 500 V - downwards - upwards - of live parts at 500 V - downwards - upwards - upwards - upwards - at the side • for grounded parts at 590 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - or live parts at 690 V - downwards - or live parts at 690 V | — upwards | 30 mm |
| - downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side 9 mm • for live parts at 500 V - downwards 30 mm - upwards - at the side • for grounded parts at 500 V - downwards 30 mm - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - for live parts at 690 V - downwards - of live parts at 690 V - downwards - at the side - for live parts at 690 V - downwards - for live parts at 690 V - downwards - to mm - forwards - to mm - forwards - to mm - forwards - backwards - at the side - for live parts at 690 V - downwards - backwards - at the side - forwards - trominals - formand controt circuit - forman current circuit type of electrical connection - for main current circuit type of connectable conductor cross-sections - for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts with screw-type terminals design of screwdriver shaft - Diameter 5 to 6 mm - Pozidriv 2 design of the thread of the connection screw | · | 9 mm |
| - downwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side 9 mm • for live parts at 500 V - downwards 30 mm - upwards - at the side • for grounded parts at 500 V - downwards 30 mm - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - for live parts at 690 V - downwards - of live parts at 690 V - downwards - at the side - for live parts at 690 V - downwards - for live parts at 690 V - downwards - to mm - forwards - to mm - forwards - to mm - forwards - backwards - at the side - for live parts at 690 V - downwards - backwards - at the side - forwards - trominals - formand controt circuit - forman current circuit type of electrical connection - for main current circuit type of connectable conductor cross-sections - for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts with screw-type terminals design of screwdriver shaft - Diameter 5 to 6 mm - Pozidriv 2 design of the thread of the connection screw | or live parts at 400 V | |
| • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - upwards - upwards - upwards - at the side • for grounded parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - upwards - upwards - backwards - at the side - forwards - or man counted parts at 690 V - downwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - the side - forwards - upwards - to for live parts at 690 V - downwards - to for live parts at 690 V - downwards - backwards - upwards - backwards - at the side - bownwards - backwards - at the side - forwards - backwards - at the side - forwards - backwards - at the side - forwards - bown Connections/ Torminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts with screw-type terminals - design of screwdriver tip | · | 30 mm |
| of or grounded parts at 500 V — downwards | — upwards | 30 mm |
| - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - backwards - the side - forwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - the side - forwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - of main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - tightening torque for main contacts - tightening torque for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver tip - design of screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw | — at the side | 9 mm |
| - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - at the side • for grounded parts at 690 V - downwards - upwards - upwards - backwards - upwards - backwards - at the side - forwards - or live parts at 690 V - downwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - of live parts at 690 V - downwards - of main contacts - at the side - forwards - upwards - backwards - upwards - backwards - upwards - on m - of main current circuit - forwards - on m • for main current circuit - screw-type terminals - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts - itightening torque for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw | or grounded parts at 500 V | |
| - at the side 9 mm • for live parts at 500 V - downwards 30 mm - upwards 9 mm • for grounded parts at 690 V - downwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm • for live parts at 690 V - downwards 50 mm - backwards 0 mm • for live parts at 690 V - downwards 50 mm • for live parts at 690 V - downwards 50 mm - three side 30 mm • for live parts at 690 V - downwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 10 mm - backwards 10 mm - browards 10 mm - to rowards 10 mm - forwards 10 mm - formactions/ Terminals - formactions/ Terminals 10 mm - for main current circuit 10 screw-type ferminals 10 mm - for main contacts 10 mm - at AWG cables for main contacts 10 mm - tircuit 10 10 mm - tircu | | 30 mm |
| of for live parts at 500 V — downwards | — upwards | 30 mm |
| - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - for rowards - backwards - at the side - for live parts at 690 V - downwards - for live parts at 690 V - downwards - backwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - upwards - backwards - onm - the side - forwards - onm - torrowards - onm - forwards - onm - for main current circuit - for main current circuit - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - tightening torque for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw | — at the side | 9 mm |
| - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - for rowards - backwards - at the side - for live parts at 690 V - downwards - for live parts at 690 V - downwards - backwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - upwards - backwards - onm - the side - forwards - onm - torrowards - onm - forwards - onm - for main current circuit - for main current circuit - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - tightening torque for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw | or live parts at 500 V | |
| - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards - forwards - for live parts at 690 V - downwards - upwards - of live parts at 690 V - downwards - upwards - upwards - upwards - backwards - upwards - backwards - of mm - backwards - of mm - forwards - of mm - forwards - of mm - forwards - of main current circuit - for main current circuit - screw-type terminals - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts with screw-type terminals - tightening torque for main contacts with screw-type terminals - for grounded the connection of the screwdriver shaft - size of the screwdriver shaft - for gound for the thread of the connection screw - for grounded for gound | | 30 mm |
| • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - upwards - for live parts at 690 V - downwards - backwards - upwards - backwards - at the side - backwards - at the side - forwards - o mm - backwards - at the side - forwards - o mm - forwards - for main current circuit - for main current circuit - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - tightening torque for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw | — upwards | 30 mm |
| - downwards - upwards - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - upwards - upwards - upwards - backwards - upwards - backwards - upwards - backwards - at the side - forwards - o mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection - for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections - for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw | · | 9 mm |
| - downwards - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - backwards - upwards - backwards - at the side - forwards - o mm - backwards - at the side - forwards - o mm - forwards - o mm - forwards - o mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection - for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections - for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw | or grounded parts at 690 V | |
| - backwards - at the side - forwards • for live parts at 690 V - downwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - at the side 1 mm - backwards 0 mm - at the side 1 mm - forwards 0 mm - forwards 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw | | 50 mm |
| - at the side - forwards 0 mm • for live parts at 690 V - downwards 50 mm - backwards 0 mm - at the side 30 mm 0 mm - at the side 30 mm 0 mm - at the side 30 mm 0 mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw 50 mm No No No No Connections/ Terminals No No 20 mm 20 | — upwards | 50 mm |
| - forwards • for live parts at 690 V - downwards - upwards - backwards - at the side - forwards O mm Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw 50 mm No No No No 2 x (0,75 2,5 mm²), 2x 4 mm² 2 x (0,75 2,5 mm²), 2x 4 mm² 2 x (18 14), 2x 12 0 8 1.2 N·m size of the screwdriver tip Pozidriv 2 | — backwards | 0 mm |
| • for live parts at 690 V — downwards — upwards 50 mm 50 mm — backwards — at the side — forwards — o mm Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw 50 mm No No No 20 mm No 20 mm 20 crew-type terminals 20 at (0,75 2,5 mm²), 2x 4 mm² 20 at (1,5 1,5 mm²), 2x (0,75 2,5 mm²) 20 at (1,5 1,5 mm²), 2x (0,75 2,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,75 2,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,75 2,5 mm²) 21 at (1,5 1,5 mm²), 2x (1,75 2,5 mm²) 22 at (1,5 1,5 mm²), 2x (1,75 2,5 mm²) 23 at (1,5 1,5 mm²), 2x (1,75 2,5 mm²) 24 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 25 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 26 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 27 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 28 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 29 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 21 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 22 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 23 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 24 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 25 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 26 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 27 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 28 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 29 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 20 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 21 at (1,5 1,5 mm²), 2x (1,5 1,5 mm²) 22 | — at the side | 30 mm |
| - downwards - upwards - upwards - backwards - at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection | — forwards | 0 mm |
| - upwards - backwards - at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection | or live parts at 690 V | |
| - backwards - at the side - forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw | — downwards | 50 mm |
| at the side forwards Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection | — upwards | 50 mm |
| | — backwards | 0 mm |
| product function removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft product function removable terminal for auxiliary and contents screw-type terminals Top and bottom 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 • tightening torque for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm Pozidriv 2 | — at the side | 30 mm |
| product function removable terminal for auxiliary and control circuit type of electrical connection | — forwards | 0 mm |
| product function removable terminal for auxiliary and control circuit type of electrical connection | tions/ Terminals | |
| type of electrical connection | | No |
| for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm Pozidriv 2 | | |
| arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip Diameter 5 to 6 mm Pozidriv 2 Diameter 5 to 6 mm | electrical connection | |
| type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (18 14), 2x 12 0.8 1.2 N·m Pozidriv 2 | or main current circuit | screw-type terminals |
| for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft biameter 5 to 6 mm pozidriv 2 design of the thread of the connection screw | | Top and bottom |
| for main contacts solid or stranded finely stranded with core end processing at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft biameter 5 to 6 mm pozidriv 2 design of the thread of the connection screw | | |
| — finely stranded with core end processing at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv 2 design of the thread of the connection screw | | |
| — finely stranded with core end processing at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv 2 design of the thread of the connection screw | — solid or stranded | 2x (0,75 2,5 mm²), 2x 4 mm² |
| at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw 2x (18 14), 2x 12 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv 2 | | |
| tightening torque for main contacts with screw-type terminals design of screwdriver shaft biameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw | | |
| design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv 2 design of the thread of the connection screw | ightening torque for main contacts with screw-type | |
| size of the screwdriver tip design of the thread of the connection screw | | Diameter 5 to 6 mm |
| design of the thread of the connection screw | | |
| | - | |
| | | M3 |
| Safety related data | | |
| B10 value | | |
| with high demand rate acc. to SN 31920 5 000 | | 5,000 |
| proportion of dangerous failures | | 0 000 |
| with low demand rate acc. to SN 31920 50 % | - | 50 % |
| • with high demand rate acc. to SN 31920 50 % | | |
| failure rate [FIT] | - | 00 /0 |
| with low demand rate acc. to SN 31920 50 FIT | | 50 FIT |
| T1 value for proof test interval or service life acc. to 10 y | | |
| IEC 61508 | | i v |

protection class IP on the front acc. to IEC 60529

touch protection on the front acc. to IEC 60529

display version for switching status

IP20

finger-safe, for vertical contact from the front

Handle

Certificates/ approvals

General Product Approval

For use in hazardous locations













Declaration of Conformity

Test Certificates

Marine / Shipping

Miscellaneous



Type Test Certificates/Test Report Special Test Certificate





Marine / Shipping











Confirmation

other

other

Railway



Confirmation

Vibration and Shock

Further information

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=3RV2011-1BA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2011-1BA10

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1BA10

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

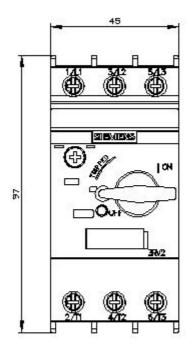
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1BA10\&lang=en}}$

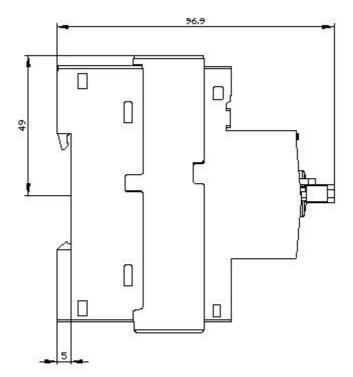
Characteristic: Tripping characteristics, I²t, Let-through current

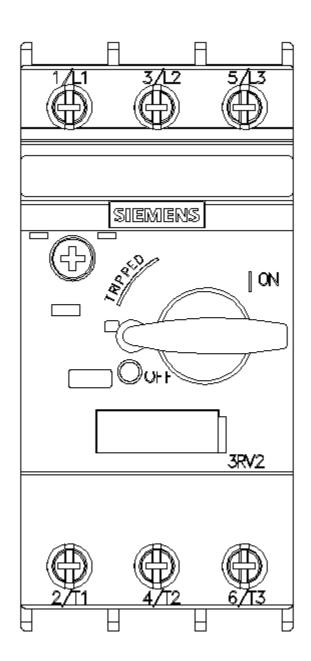
https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1BA10/char

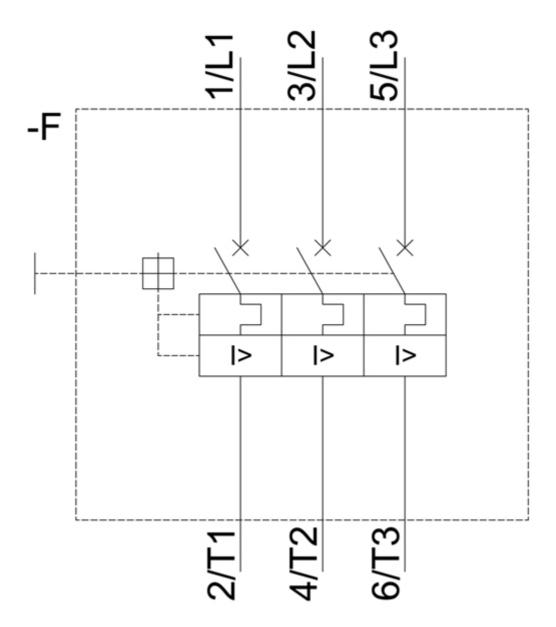
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1BA10&objecttype=14&gridview=view1









last modified: 12/15/2020 ☑