SIEMENS

Data sheet 3RV2011-1DA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 2.2...3.2 A N release 42 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 | |
| shock resistance according 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 according to IEC 81346-2 | Q | |
| Substance Prohibitance (Date) | 10/01/2009 | |
| 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 | Main circuit | |
| number of poles for main current circuit | 3 | |
| adjustable current response value current of the current-dependent overload release | 2.2 3.2 A | |
| 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 | 3.2 A |
| operational current | |
| at AC-3 at 400 V rated value | 3.2 A |
| at AC-3e at 400 V rated value | 3.2 A |
| operating power | |
| • at AC-3 | |
| — at 230 V rated value | 0.6 kW |
| — at 400 V rated value | 1.1 kW |
| — at 500 V rated value | 1.5 kW |
| — at 690 V rated value | 2.2 kW |
| • at AC-3e | Z.Z RVV |
| — at 230 V rated value | 0.6 kW |
| | 1.1 kW |
| — at 400 V rated value | |
| — at 500 V rated value | 1.5 kW |
| — at 690 V rated value | 2.2 kW |
| operating frequency | 45.40 |
| • at AC-3 maximum | 15 1/h |
| at AC-3e maximum | 15 1/h |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | 0 |
| number of NO contacts for auxiliary contacts | 0 |
| number of CO contacts for auxiliary contacts | 0 |
| Protective and monitoring functions | |
| product function | |
| ground fault detection | No |
| phase failure detection | Yes |
| trip class | CLASS 10 |
| design of the overload release | thermal |
| 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 |
| 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 at 500 V rated value | 100 kA |
| at 690 V rated value at 690 V rated value | 10 kA |
| response value current of instantaneous short-circuit trip | 42 A |
| unit | 747 |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| • at 480 V rated value | 3.2 A |
| at 400 V rated value at 600 V rated value | 3.2 A |
| yielded mechanical performance [hp] | V.E., (|
| • for single-phase AC motor | |
| — at 110/120 V rated value | 0.1 hp |
| — at 230 V rated value | 0.25 hp |
| for 3-phase AC motor | 5.20 HP |
| — at 200/208 V rated value | 0.5 hp |
| — at 200/208 v rated value — at 220/230 V rated value | 0.5 hp 0.75 hp |
| | · |
| — at 460/480 V rated value | 2 hp |
| — at 575/600 V rated value | 2 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 | |

| * # 400 V | a at 400 V | al /aC 25 A |
|--|---|----------------------|
| ## 1690 V Installation Insolution Installation Instal | • at 400 V | gL/gG 25 A |
| mounting position fastering method screw and snap on mounting onto 35 mm standard mounting rail according to DN EN 60716 Prime 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 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 — downwards — at the side • for live parts at 500 V — downwards — at the side • for live parts at 500 V — downwards — one was at 690 V — downwards — one of the side — forwards — one of the side — forwards — one of the side — forwards — one of dectrical connectors for main current circuit program contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts • of main contacts — sold or stranded — finely stranded with core end processing • of main contacts • with high demand rate according to SN 31920 • proportion of dangerous failures | | |
| mounting position stretched screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 beight width 45 mm depth 97 mm required spacing • for grounded parts at 400 V - downwards 30 mm - upwards 30 mm - uthe side 9 mm • for grounded parts at 500 V - downwards 30 mm - at the side 9 mm • for prounded parts at 500 V - downwards 30 mm - upwards 30 mm - at the side 9 mm • for prounded parts at 500 V - downwards 30 mm - at the side 9 mm • for prounded parts at 500 V - downwards 30 mm - at the side 9 mm • for grounded parts at 500 V - downwards 30 mm - at the side 9 mm • for grounded parts at 500 V - downwards 30 mm - at the side 9 mm • for grounded parts at 500 V - downwards 30 mm - upwards 50 mm - backwards 0 mm - forwards 50 mm - backwards 0 mm - forwards 0 mm - forman contacts 0 mm - for main contacts 1 connection or to feetirefal connectors for main current circuit 1 connections or the screw-type terminals 1 connections or the screw-type terminals 2x (0.5 1.5 mm²) 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²) 2x 4 mm² 2x (0.75 2. | | 9090 20 N |
| Astening method Screw and snap-on mounting onto 35 mm standard mounting rail according to INI NE N60*15 | | any |
| neight 97 mm 97 mm 97 mm 97 mm 97 mm 98 mm 97 mm 98 | | • |
| Width Gepth Gept | | |
| depth 97 mm required spacing 9 for grounded parts at 400 V | height | 97 mm |
| required spacing • for grounded parts at 400 V — downwards — upwards — at the side • for live parts at 400 V — downwards — at the side 9 mm • for grounded parts at 500 V — downwards — upwards — at the side 9 mm • for grounded parts at 500 V — downwards — upwards — at the side 9 mm • for live parts at 500 V — downwards — upwards — at the side 9 mm • for live parts at 500 V — downwards — upwards — at the side 9 mm • for grounded parts at 680 V — downwards — upwards — at the side 9 mm • for grounded parts at 680 V — downwards 50 mm — upwards 50 mm • for grounded parts at 680 V — downwards — backwards — upwards 50 mm • for live parts at 680 V — downwards — site side 9 mm • for live parts at 680 V — downwards 50 mm • the side 9 mm • for live parts at 680 V — downwards 0 mm • the side 0 mm • for live parts at 680 V — downwards • for main contacts • for main contacts • for main contacts • for main contacts ### At AVE Cashes for main contacts ### At AVE Cash | width | 45 mm |
| • for grounded parts at 400 V — downwards — at the side 9 mm • for live parts at 400 V — downwards — at the side 9 mm • for grounded parts at 500 V — downwards — upwards — at the side 9 mm • for grounded parts at 500 V — downwards — at the side 9 mm • for grounded parts at 500 V — downwards — at the side 9 mm • for grounded parts at 500 V — downwards — at the side 9 mm • for grounded parts at 690 V — downwards — at the side • for grounded parts at 690 V — downwards — opwards — opwards — opwards — on mm • for grounded parts at 690 V — downwards — backwards — on mm • for wain side • for grounded parts at 690 V — downwards 50 mm — backwards — backwards — on mm • for wain contacts — forwards 0 mm connections / terminals 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 4 the thread of the connection screw • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft with high demand rate according to SN 31920 proportion of dangerous failures | depth | 97 mm |
| downwards at the side at the side of the parts at 400 V downwards at the side of the parts at 500 V downwards at the side of convertal s | required spacing | |
| upwards | for grounded parts at 400 V | |
| - at the side • for live parts at 400 V - downwards - upwards - of for grounded parts at 500 V - downwards 30 mm - of the side • for grounded parts at 500 V - downwards 30 mm - at the side • for live parts at 500 V - downwards 30 mm - at the side • for live parts at 500 V - downwards 30 mm - upwards 9 mm • for grounded parts at 690 V - downwards 9 mm • for grounded parts at 690 V - downwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - tor live parts at 690 V - downwards 50 mm - backwards 0 mm - tor live parts at 690 V - downwards 50 mm - backwards 0 mm - tor live parts at 690 V - downwards 50 mm - backwards 0 mm - for live parts at 690 V - downwards 50 mm - backwards 0 mm - to five parts at 690 V - downwards 50 mm - backwards 0 mm - to five parts at 690 V - downwards 50 mm - backwards 0 mm - to five parts at 690 V - downwards - at the side - for main current circuit Type of electrical connection • for main current circuit type of connectable conductor cross-sections • for main current circuit Type of a fectrical connectors for main current circuit type of connectable conductor cross-sections • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main current circuit arrangement of electrical connectors • for main contacts • at AWG cables for main contacts As AWG cables for main contacts A | — downwards | |
| • for live parts at 400 V | • | |
| downwards | | 9 mm |
| - upwards | | |
| • for grounded parts at 500 V - downwards - upwards - at the side • for live parts at 500 V - downwards - upwards - of for grounded parts at 690 V - downwards - upwards • for grounded parts at 690 V - downwards - upwards - upwards - upwards - of main contacts - at the side - of main contacts - of main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts tightneing torque • for main contacts - at the side - onescent or such as a stranded - finely stranded with core end processing • at AWG cables for main contacts tightneing torque • for main contacts - for main contacts with screw-type terminals size of the screwdriver shaft size of the screwdriver shaft size of the screwdriver shaft sand and such as a stranded - with high demand rate according to SN 31920 proportion of dangerous failures 30 mm 30 mm 50 mm | | |
| of or grounded parts at 500 V — downwards — upwards — at the side of or live parts at 500 V — downwards — upwards — upwards — upwards — upwards — at the side of or grounded parts at 690 V — downwards — downwards — at the side — of grounded parts at 690 V — downwards — backwards — upwards — backwards — backwards — of rilve parts at 690 V — downwards — for live parts at 690 V — downwards — for live parts at 690 V — downwards — for live parts at 690 V — downwards — for live parts at 690 V — downwards — one man downwards — for main connection • for main connection • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for main contacts with screw-type terminals size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip design of screw | • | |
| - downwards 30 mm 9 m | | 9 mm |
| - upwards - at the side • for live parts at 500 V - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - upwards - backwards - backwards - tive parts at 690 V - downwards - tive parts at 690 V - downwards - tive parts at 690 V - downwards - for wards - forwards - forwards - forwards - forwards - forwards - tive parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - upwards - backwards - o mm - at the side - forwards - backwards - o mm - on man backwards - formal current circuit - for main current circuit - for main current circuit - for main current circuit - solid or stranded - finely stranded with core end processing - at AVMG cables for main contacts - for main contacts - for main contacts - for main contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver shaft - size of the screwdriver tip - design of screwdriver shaft - size of the screwdriver tip - design of screwdriver tip - design of the thread of the connection screw - for main contacts - with high demand rate according to SN 31920 - proportion of dangerous fallures | · | 20 |
| - at the side | | |
| of rilive parts at 500 V — downwards | • | |
| - downwards - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - for rowards - at the side - for rowards - at the side - for live parts at 690 V - downwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - upwards - upwards - upwards - upwards - at the side - backwards - at the side - for main contacts - at the side - forwards - for main current circuit - for main contacts - solid or stranded - finely stranded - finely stranded with core end processing - at AWG cables for main contacts - for main contacts - for main contacts - for main contacts with screw-type terminals - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - for mai | | 3 111111 |
| - upwards - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards - at the side - on mm - forwards - for live parts at 690 V - downwards - for live parts at 690 V - downwards - on mm - forwards - upwards - upwards - backwards - upwards - backwards - on mm - forwards - for main current circuit - for main current circuit - for main current circuit - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - finely stranded with core end processing - at AWG cables for main contacts - formain contacts with screw-type terminals - for main contacts with screw-type terminals - at AWG cables for main contacts - finely stranded with core end processing - finely stranded with core end processing - finely stranded with core end processing - for main contacts with screw-type terminals - for main contacts - for | • | 30 mm |
| - at the side • for grounded parts at 690 V - downwards - upwards - backwards - at the side - forwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards • for live parts at 690 V - downwards - backwards - upwards - backwards - upwards - backwards - o mm - at the side - forwards - o mm - at the side - forwards - o mm - at the side - forwards - forwards - forwards - formactions/ forminals 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 • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver shaft size of the screwdriver tip - for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| • for grounded parts at 690 V — downwards — upwards — backwards — of main contacts with screw-type terminals • for main contacts with screw-type terminals design of the thread of the connection screw • for main contacts tell wards • for grounded parts at 690 V — downwards — of main contacts • for main contacts tightening forque • for main contacts ### Age of the screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts ### Age of the screwdriver shaft ### Diameter 5 to 6 mm ### Age of the screwdriver shaft ### Diameter 5 to 6 mm ### Age of the screwdriver tip ### Age of the screwdriver shaft ### B10 value • with high demand rate according to SN 31920 ### Porman on man on tage of the screw failures ### Age of the screw failure | • | |
| - downwards 50 mm - upwards 50 mm - backwards 0 mm - at the side 30 mm - forwards 0 mm • for live parts at 690 V - downwards 50 mm - upwards 50 mm - upwards 50 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - forwards 0 mm - at the side 30 mm - forwards 0 mm - forwards 10 mm - formain current circuit 10 screw-type terminals 10 mm - for main current circuit 10 screw-type terminals 10 mm - for main contacts 10 main contacts 10 mm - for main co | | V IIIIII |
| - upwards - backwards - at the side - forwards - for live parts at 690 V - downwards - upwards - backwards - upwards - backwards - backwards - backwards - at the side - forwards - at the side - forwards - at the side - forwards - formain 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 - design of screwdriver shaft - design of the thread of the connection screw - for main contacts - 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 strande | | 50 mm |
| - backwards | | |
| - at the side - forwards • for live parts at 690 V - downwards - upwards - backwards - backwards - forwards - o mm - forwards - o mm - the side - forwards - o mm - forwards - o mm - forwards - o mm Connections/ Terminals 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 - at AWG cables for main contacts - for main contacts with screw-type terminals • for main contacts with screw-type terminals • at CAWG cables for main contacts - for main contacts with screw-type terminals • for main contacts • for ma | • | |
| forwards • for live parts at 690 V downwards upwards backwards backwards at the side forwards forwards o mm at the side forwards forwards o mm Connections/ Terminals 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 for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts formain contacts Forward of the connection screw • for | | |
| • for live parts at 690 V - downwards - upwards - backwards - at the side - at the side - forwards Connections/ Terminals 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 • for main contacts • for main contacts with screw-type terminals 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0,75 2,5 mm²), 2x (0.75 2.5 mm²) • at AWG cables for main contacts • 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 • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| - downwards - upwards - upwards - backwards - at the side - forwards O mm Connections/ Terminals 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 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1,5 mm²), 2x (0.75 2.5 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 • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| - upwards - backwards - at the side - forwards Connections/ Terminals 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 • for main contacts with screw-type terminals 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 size of the screwdriver tip design of the thread of the connection screw • for main contacts • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | 50 mm |
| - backwards 0 mm - at the side 30 mm - forwards 0 mm Connections/ Terminals 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 • for main contacts with screw-type terminals at AWG cables for main contacts • for main contacts • at AWG cables for main contacts • for main contacts with screw-type terminals 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.75 2,5 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 plameter 5 to 6 mm size of the screwdriver tip design of the thread of the connection screw • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| - at the side forwards | • | |
| 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 2x (0.75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 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 • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| type of electrical connection | | |
| type of electrical connection | Connections/ Terminals | |
| of romain current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections of romain contacts solid or stranded finely stranded with core end processing otal AWG cables for main contacts otal for main contacts of romain contacts otal for main contacts independent of the screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of romain contacts independent of the screwdriver shaft size of the screwdriver stip design of the thread of the connection screw of romain contacts independent of the screwdriver shaft size of the screwdriver shaft size of the screwdriver shaft independent of | | |
| 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 • for main contacts 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • at AWG cables for main contacts 2x (18 14), 2x 12 tightening torque • 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 • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | screw-type terminals |
| 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 • for main contacts **M3 Safety related data **B10 value • with high demand rate according to SN 31920 proportion of dangerous failures **Continue of connections service of connections of continue of | | |
| for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip • for main contacts • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures 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 tightening 2x (18 14), 2x 12 Diameter 5 to 6 mm Pozidriv size 2 M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | circuit | |
| - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • at AWG cables for main contacts 2x (18 14), 2x 12 tightening torque • for main contacts with screw-type terminals 0.8 1.2 N·m design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | 5. | |
| — finely stranded with core end processing ♦ at AWG cables for main contacts 2x (18 14), 2x 12 tightening torque ♦ for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw ♦ for main contacts M3 Safety related data B10 value ♦ with high demand rate according to SN 31920 proportion of dangerous failures | | |
| at AWG cables for main contacts tightening torque for main contacts with screw-type terminals design of screwdriver shaft pozidriv size 2 design of the thread of the connection screw for main contacts for main contacts Safety related data with high demand rate according to SN 31920 proportion of dangerous failures | | |
| tightening torque • for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw • for main contacts M3 Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| ● for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 to 6 mm size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw ● for main contacts M3 Safety related data B10 value ● with high demand rate according to SN 31920 proportion of dangerous failures | | 2x (18 14), 2x 12 |
| design of screwdriver shaft size of the screwdriver tip Pozidriv size 2 design of the thread of the connection screw of for main contacts Safety related data B10 value of with high demand rate according to SN 31920 proportion of dangerous failures | | 0.0 4.0 N |
| size of the screwdriver tip design of the thread of the connection screw of for main contacts M3 Safety related data B10 value owith high demand rate according to SN 31920 proportion of dangerous failures | | |
| design of the thread of the connection screw • for main contacts Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures | | |
| ● for main contacts M3 Safety related data B10 value ● with high demand rate according to SN 31920 5 000 proportion of dangerous failures | | POZIUTIV SIZE Z |
| Safety related data B10 value | _ | MO |
| B10 value | | IVIS |
| • with high demand rate according to SN 31920 5 000 proportion of dangerous failures | | |
| proportion of dangerous failures | | F.000 |
| | | 5 000 |
| ■ with low defination rate according to 5th 5 1920 | - | E0 % |
| | ● with low demand rate according to SN 31920 | 30 70 |

| 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 y |
| 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





Confirmation



<u>KC</u>



For use in hazardous locations

Declaration of Conformity

Test Certificates







Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













Marine / Shipping

other

Railway



Confirmation



Vibration and Shock

Confirmation

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=3RV2011-1DA10

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1DA10

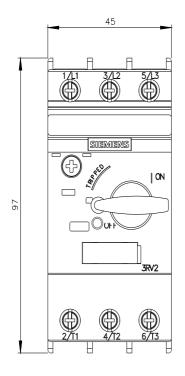
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2011-1DA10&lang=en

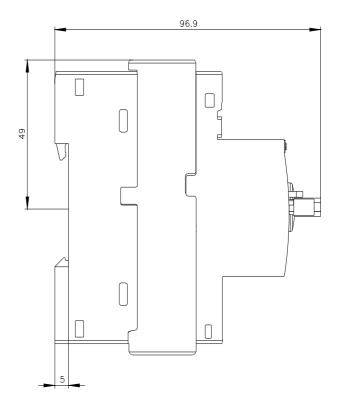
Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2011-1DA10/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2011-1DA10&objecttype=14&gridview=view1





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