SIEMENS

Data sheet 3UG5514-1BR20



analog adjustment monitoring relay phase failure, phase sequence, asymmetry and under-voltage monitoring 3x 160-690 V AC, 15-70 Hz 2 changeover contacts screw terminal

| product designation design of the product product type designation General technical data product function display version LED design of the display power loss [W] maximum power loss [V-A] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value with degree of pollution type of voltage of the operating voltage for actuation of the operating voltage for actuation of the control supply voltage surge voltage resistance rated value for voltage volt | |
|--|--|
| product type designation General technical data product function display version LED yes design of the display power loss [W] maximum power loss [V-A] maximum 1.8 W power loss [V-A] maximum insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 2 rated value with degree of pollution 3 rated value with degree of pollution 3 type of voltage for monitoring AC of the operating voltage for actuation of the control supply voltage surge voltage resistance rated value file work AC surge voltage resistance rated value file AC protection class IP | |
| product function line monitoring display version LED design of the display power loss [W] maximum power loss [V-A] maximum 1.8 W power loss [V-A] maximum 5.1 VA insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP | |
| product function line monitoring display version LED yes design of the display power loss [W] maximum 1.8 W power loss [V-A] maximum insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP | |
| display version LED design of the display power loss [W] maximum 1.8 W power loss [V·A] maximum insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP | |
| design of the display power loss [W] maximum power loss [V·A] maximum 5.1 VA insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP IP20 | |
| power loss [W] maximum power loss [V-A] maximum insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP 1.8 W 5.1 VA 690 V 690 V 690 V 690 V AC AC AC AC BUDC 6 kV | |
| power loss [V·A] maximum insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value 6 kV protection class IP IP20 | |
| insulation voltage for overvoltage category III according to IEC 60664 • with degree of pollution 2 rated value 690 V • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring AC • of the operating voltage for actuation AC/DC • of the control supply voltage AC surge voltage resistance rated value 6 kV protection class IP IP20 | |
| IEC 60664 • with degree of pollution 2 rated value 690 V • with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage • for monitoring AC • of the operating voltage for actuation AC/DC • of the control supply voltage AC surge voltage resistance rated value 6 kV protection class IP IP20 | |
| with degree of pollution 3 rated value degree of pollution 3 type of voltage for monitoring of the operating voltage for actuation of the control supply voltage AC surge voltage resistance rated value protection class IP 690 V AC AC AC 6 kV P20 | |
| degree of pollution type of voltage of or monitoring AC of the operating voltage for actuation of the control supply voltage surge voltage resistance rated value protection class IP AC AC | |
| type of voltage • for monitoring • of the operating voltage for actuation • of the control supply voltage surge voltage resistance rated value protection class IP AC 6 kV | |
| for monitoring of the operating voltage for actuation of the control supply voltage AC surge voltage resistance rated value protection class IP IP20 | |
| of the operating voltage for actuation of the control supply voltage surge voltage resistance rated value f kV protection class IP IP20 | |
| of the control supply voltage AC surge voltage resistance rated value protection class IP IP20 | |
| surge voltage resistance rated value 6 kV protection class IP IP20 | |
| protection class IP IP20 | |
| · | |
| shook resistance according to IEC 60069 2 27 | |
| shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms | |
| vibration resistance according to IEC 60068-2-6 10 55 Hz: 0.35 mm | |
| switching behavior monostable | |
| mechanical service life (operating cycles) typical 10 000 000 | |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | |
| thermal current of the switching element with contacts maximum 5 A | |
| reference code according to IEC 81346-2 K | |
| relative repeat accuracy 0.4 % | |
| Substance Prohibitance (Date) 06/01/2023 | |
| SVHC substance name Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 | |
| Product Function | |
| product function | |
| • undervoltage detection Yes | |
| overvoltage detection No | |
| • phase sequence recognition Yes | |
| • phase failure detection Yes; available but limited, detection is problematic with high levels of regenerative power recovery | |
| asymmetry detection Yes | |

| and the second s | A1- |
|--|---|
| overvoltage detection 3 phase | No |
| undervoltage detection 3 phases | Yes |
| voltage window recognition 3 phase | No |
| adjustable open/closed-circuit current principle | No |
| • auto-RESET | Yes |
| suitability for use safety-related circuits | No |
| Control circuit/ Control | |
| control supply voltage at AC | |
| at 50 Hz rated value | 90 690 V |
| at 60 Hz rated value | 90 690 V |
| operating range factor control supply voltage rated value at AC at 50 Hz | |
| • initial value | 0.85 |
| • full-scale value | 1.1 |
| operating range factor control supply voltage rated value at | 1.1 |
| AC at 60 Hz | |
| • initial value | 0.85 |
| • full-scale value | 1.1 |
| Supply voltage | |
| supply voltage frequency rated value | 70 15 Hz |
| Measuring circuit | |
| measurable voltage at AC | 90 690 V |
| adjustable operating delay time | 0.1 s |
| adjustable response delay time | |
| with lower or upper limit violation | 0.1 20 s |
| buffering time in the event of power failure minimum | 20 ms |
| relative temperature-related measurement deviation | 1 % |
| Precision | |
| relative metering precision | 5 % |
| temperature drift per °C | 0.003 %/°C |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the NO contacts of the relay outputs required | gL/gG: 6 A or MCB type C: 1 A |
| for short circuit protection of the NC contacts of the relay outputs required | gL/gG: 6 A or MCB type C: 1 A |
| Communication/ Protocol | |
| protocol is supported IO-Link protocol | No |
| type of voltage supply via input/output link master | No |
| Auxiliary circuit | |
| material of switching contacts | AgSnO2 |
| number of NC contacts delayed switching | 0 |
| | |
| number of NO contacts delayed switching | 0 |
| number of NO contacts delayed switching number of CO contacts | 0 |
| i | 2 |
| number of CO contacts | |
| number of CO contacts • for auxiliary contacts | 2 |
| number of CO contacts • for auxiliary contacts • delayed switching | 2 0 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 3 3 A 3 A 3 A |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz ampacity of the output relay at DC-13 | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 3 3 A 3 A |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 3 3 A 3 A 3 A |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 110 V | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 3 3 A 3 A 3 A 1 A 0.2 A |
| number of CO contacts • for auxiliary contacts • delayed switching operating frequency with 3RT2 contactor maximum contact reliability of auxiliary contacts contact rating of auxiliary contacts according to UL Main circuit number of poles for main current circuit ampacity of the output relay at AC-15 • at 250 V at 50/60 Hz • at 400 V at 50/60 Hz ampacity of the output relay at DC-13 • at 24 V • at 110 V • at 125 V | 2 0 5 000 1/h one incorrect switching operation of 100 million switching operations (17 V, 5 mA) R300 / B300 3 3 A 3 A 3 A 1 A 0.2 A 0.2 A |

| Conductous current of the DAZED fuse link of the output relay | | |
|--|---|---|
| Electronargetic compatibility EMC emitted interference die tie to burst according to IEC 61000 4-4 e due to conclucted interference according to IEC 61000 4-5 e due to conclucted cent surge according to IEC 61000 4-5 e due to conclucted cent surge according to IEC 61000 4-5 e due to conclucted cent surge according to IEC 61000 4-5 e due to conclucted cent surge according to IEC 61000 4-2 EMP debased interference according to IEC 61000 4-2 EMP debased interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge Bell classed interference according to IEC 61000 4-2 EMP contact discharge / 8 kV air discharge / 8 kV air discharge EMP contact discharge / 8 kV air d | | 6 A |
| EMC emitted interference according to IEC 60947-1 conducted interference due to conducted interference due to conducted surge according to IEC 61000.4-5 due to conducted-cendratis surge according to IEC 61000.4-2 discription of the feet trial solution design of the electrical solution galvania feablish between input and output between input and output between the outputs between the | | |
| eonducted inferference • cue to brait according to IEC 610004-4 • due to conductor-earth surge according to IEC 610004-5 • due to conductor-conductor surge according to IEC 610004-5 • due to conductor-conductor surge according to IEC 610004-3 • due to conductor-conductor surge according to IEC 610004-3 • due to conductor-conductor surge according to IEC 610004-3 • for conductor-conductor surge according to IEC 610004-3 • for conductor-conductor surge according to IEC 610004-3 • for conductor-conductor surger according to IEC 610004-3 • between the outputs • | | elege A |
| - value to burst according to IEC 61000-4-4 - due to conductor earth surge according to IEC 61000-4-5 - value to conductor conductor surge according to IEC 61000-4-3 - value to conductor conductor surge according to IEC 61000-4-3 - value to conductor conductor surge according to IEC 61000-4-3 - value to conductor conductor surge according to IEC 61000-4-3 - value to conductor conductor surge according to IEC 61000-4-3 - value to value Value | | uass A |
| • Web to conductor centil surge according to IEC 8 1000-4.5 • Web to conductor conductor surge according to IEC 8 1000-4.5 field-based interference according to IEC 8 1000-4.2 electrostatic discharge according to IEC 8 1000-4.2 elect | | 2 kV (nower norte) 2 kV (signal norts) |
| # value to conductor conductor surge according to IEC # 1600-4.3 filed-based interference according to IEC \$1000-4.3 design of the electricatic discharge according to IEC \$1000-4.2 design of the electricatic solution # very part of the electricatic solution # very part of the electricatic solution # very product component removable terminal for main circuit # product component removable terminal for main circuit # very post electricatic conductor cross-section # very post electricatic conductor cross-sections # very post electricatic conductor cross-sections # very post electricatic conductor cross-section # very post electric | · · | |
| Selectocatatic discharge according to IEC 61000-4.3 10 V/m | | |
| Selectoratic discharge according to IEC 6100-4-2 Selectorate (Selectorate Incident) | | · KV |
| Galvanic isolation galvanic isolation galvanic isolation galvanic isolation galvanic isolation ebetween input and output Yes | field-based interference according to IEC 61000-4-3 | 10 V/m |
| design of the electrical isolation galvanic isolation shower in pot and output between the culturis between the voltage supply and other circuits yes connections/Terminals product component removable terminal for main circuit yes connections/Terminals product component monivable terminal for auxiliary and control circuit ypes of electrical connection seew-bye terminals ypes of connectable conductor cross-sections solid individual conductor cross-sections solid individual conductor cross-sections solid individual conductor cross-sections solid individual conductor cross-section solid individual conductor | electrostatic discharge according to IEC 61000-4-2 | 6 kV contact discharge / 8 kV air discharge |
| galvanic isolation • between the outputs • between the voltage supply and other circuits • between the voltage supply and other circuits • between the voltage supply and other circuits Product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of connectable connection \$\$\psi \text{anid}\$ \$\$\times (a.5 | Galvanic isolation | |
| between the outputs between the outputs between the voltage supply and other circuits between the voltage supply and other circuits between the voltage supply and other circuits product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection screw-type terminals type of connectable conductor cross-sections solid incelly stranded with core end processing if of AVIC cables solid incelly stranded with core end processing incell stranded | design of the electrical isolation | galvanic isolation |
| between the outputs between the voltage supply and other circuits Connections Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection solid | galvanic isolation | |
| between the voltage supply and other circuits Connections Terminals product component removable terminal for main circuit product component removable terminal for auxiliary and control circuit type of electrical connection screw-type terminals | between input and output | Yes |
| Connections Terminals Product component removable terminal for auxiliary and control circuit Yes Yes | between the outputs | Yes |
| product component removable terminal for auxiliary and control circuit type of electrical connection screw-type terminals type of electrical connection screw-type terminals **soild sinely stranded with core end processing tx (0.5 4.0 mm²), 2x (0.5 2.5 mm²) **soild sinely stranded with core end processing tx (0.5 4 mm²), 2x (0.5 2.5 mm²) **soild sinely stranded with core end processing tx (0.5 4 mm²), 2x (0.5 2.5 mm²) **soild sinely stranded with core end processing triangle size size size size size size size siz | between the voltage supply and other circuits | Yes |
| product component removable terminal for auxilliary and control circuit Type of electrical connectable conductor cross-sections • solid • finely stranded with core end processing • for AWG cables solid • finely stranded with core end processing • for AWG cables solid • finely stranded with core end processing • solid • finely stranded with core end processing • for AWG cables solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • stranded | Connections/ Terminals | |
| control circuit type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • for AWG cables solid tx (0.5 4.0 mm²), 2x (0.5 2.5 mm²) • for AWG cables solid tx (20 12), 2x (20 14) • solid • stranded with core end processing AWG number as coded connectable conductor cross-section • solid • stranded • stranded • stranded • stranded • stranded • stranded 1 to 20 12 1 tightening torque with screw-type terminals Installation/mounting/dimensions mounting position fastening method • leight • with side-by-side mounting • with side-by-side mounting • downwards • upwards • upwards • onm • backwards • upwards • onm • backwards • onm • or grounded parts • for grounded parts • | product component removable terminal for main circuit | Yes |
| type of electrical connectable screw-type terminals type of connectable conductor cross-sections a solid e finely stranded with core end processing 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) for AWG cables solid 1x (20 12), 2x (20 14) connectable conductor cross-section 4.5 4 mm² e solid 0.5 4 mm² e minely stranded with core end processing 0.5 4 mm² AWG number as coded connectable conductor cross section 20 12 e solid 20 12 e stranded 20 12 installation mounting dimensions any mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm with side-by-side mounting 90 mm required spacing 0 mm with side-by-side mounting 0 mm - backwards 0 mm - backwards 0 mm - downwards 0 mm - for grounded parts 0 mm - forwards 0 mm - packwards 0 mm | | Yes |
| Uppe of connectable conductor cross-sections solid interply stranded with core end processing for AWG cables solid connectable conductor cross-section solid finely stranded with core end processing of finely stranded with core end processing AWG number as coded connectable conductor cross section solid solid stranded connectable conductor cross-section solid solid solid connectable conductor cross-section solid | | |
| * solid * inley stranded with core end processing * for AVMC cables solid * for AVMC cables solid * solid * solid * for ley stranded with core end processing * for ley stranded with core end processing * solid * stranded * solid * solid * stranded * solid * stranded * solid | | screw-type terminals |
| infinely stranded with core end processing for AWG cables solid for AWG cables solid solid infinely stranded with core end processing infinely stranded infinely s | | |
| | | |
| connectable conductor cross-section | | |
| • solid | | 1x (20 12), 2x (20 14) |
| * finely stranded with core end processing AWG number as coded connectable conductor cross section * solid * stranded * stranded with screw-type terminals * stranded with screw-type terminals * strander | | |
| AWG number as coded connectable conductor cross section solid stranded screw-and snap-on mounting onto 35 mm DIN rail screw and snap-on onto 35 mm DIN rail screw and snap-on | | |
| section • stranded • strande | | 0.5 4 mm² |
| stranded stranded tightening torque with screw-type terminals mounting position fastening method height depth go mm required spacing with side-by-side mounting — forwards — upwards — at the side — downwards — upwards — at the side — downwards — upwards — at the side — downwards — o mm — downwards — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — backwards — o mm — downwards — o mm — downwards — o mm — downwards — o mm — at the side — o mm | | |
| stranded 20 12 tightening torque with screw-type terminals 0.6 0.8 N·m Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 90 mm required spacing with side-by-side mounting — forwards 0 mm — abackwards 0 mm — at the side 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — downwards 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — backwards 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — at the side 0 mm | | 20 12 |
| tightening torque with screw-type terminals mounting position fastening method height height 100 mm width 22.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards — upwards — at the side — downwards — backwards — upwards — backwards — o mm • for grounded parts — forwards — at the side — downwards — backwards — upwards — backwards — o mm — at the side — o mm — at the side — downwards — o mm — at the side — downwards — upwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — at the side — downwards — o mm — the side — downwards — o mm — the side — o mm — the side — o mm — at the side — o mm — at the side — o mm — at the side — o mm — ownwards — o mm — at the side — o mm — ownwards — o mm — at the side — o mm — ownwards — o mm — at the side — o mm — at the side — o mm — ownwards — o mm — at the side — o mm | | |
| Installation/ mounting/ dimensions mounting position fastening method beight 100 mm width 22.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards — backwards — upwards — downwards — of regrounded parts — for grounded parts — for grounded parts — at the side — downwards — at the side — omm — om | tightening torque with screw-type terminals | 0.6 0.8 N·m |
| mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards — backwards — upwards — of or grounded parts — for grounded parts — for yards — upwards — upwards — o mm • backwards — o mm • for grounded parts — for grounded parts — forwards — upwards — o mm • for fi vie parts — for live parts — for live parts — forwards — backwards — upwards — o mm • for live parts — forwards — upwards — downwards — upwards — o mm • for live parts — forwards — downwards — o mm — backwards — o mm — backwards — o mm — the side — downwards — o mm — the side — downwards — o mm — the side — o mm — at the side — o mm — o mm — at the side — o mm — | | |
| fastening method screw and snap-on mounting onto 35 mm DIN rail height 100 mm width 22.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm — upwards 0 mm — at the side 0 mm — torwards 0 mm — upwards 0 mm • for grounded parts — forwards 0 mm — towards 0 mm • for grounded parts — forwards 0 mm — upwards 0 mm • backwards 0 mm — upwards 0 mm — at the side 0 mm — at the side 0 mm — downwards 0 mm • for live parts — forwards 0 mm • for live parts — forwards 0 mm — downwards 0 mm — upwards 0 mm — at the side 0 mm — upwards 0 mm — torwards 0 mm — at the side 0 mm | - | any |
| height 100 mm width 22.5 mm depth 90 mm required spacing • with side-by-side mounting — forwards 0 mm — backwards 0 mm — downwards 0 mm — at the side 0 mm • for grounded parts — forwards 0 mm — backwards 0 mm • for grounded parts — forwards 0 mm • for grounded parts — backwards 0 mm — at the side 0 mm • backwards 0 mm - at the side 0 mm • for live parts — forwards 0 mm — downwards 0 mm — at the side 0 mm — downwards 0 mm — at the side 0 mm — at the side 0 mm — at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | | - |
| depth 90 mm required spacing ● with side-by-side mounting ─ forwards 0 mm ─ backwards 0 mm ─ downwards 0 mm ─ at the side 0 mm ● for grounded parts ─ forwards 0 mm ● backwards 0 mm ● for grounded parts ─ forwards 0 mm ─ at the side 0 mm ─ downwards 0 mm ● for live parts ─ forwards 0 mm ● for wards 0 mm ● for live parts ─ forwards 0 mm ─ abackwards 0 mm ─ backwards 0 mm ─ backwards 0 mm ─ at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | height | |
| required spacing with side-by-side mounting — forwards — backwards — upwards — downwards — at the side o mm for grounded parts — forwards — backwards — backwards — o mm — at the side — o mm — at the side — o mm for live parts — forwards — forwards — o mm — downwards — o mm — at the side — downwards — o mm for live parts — forwards — backwards — o mm — downwards — o mm of or live parts — forwards — backwards — o mm — at the side — o mm — at the side — o mm — at the side — o mm — backwards — o mm — at the side — o mm — upwards — o mm — at the side — o mm — at the side — o mm — o | width | 22.5 mm |
| with side-by-side mounting — forwards | depth | 90 mm |
| forwards 0 mm backwards 0 mm upwards 0 mm downwards 0 mm at the side 0 mm for grounded parts forwards 0 mm backwards 0 mm backwards 0 mm upwards 0 mm upwards 0 mm at the side 0 mm at the side 0 mm downwards 0 mm for live parts forwards 0 mm for live parts forwards 0 mm backwards 0 mm upwards 0 mm upwards 0 mm downwards 0 mm downwards 0 mm downwards 0 mm at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | required spacing | |
| backwards 0 mm upwards 0 mm downwards 0 mm at the side 0 mm at the side 0 mm for grounded parts forwards 0 mm backwards 0 mm upwards 0 mm upwards 0 mm at the side 0 mm downwards 0 mm downwards 0 mm for live parts forwards 0 mm backwards 0 mm backwards 0 mm backwards 0 mm upwards 0 mm downwards 0 mm downwards 0 mm at the side 0 mm | • with side-by-side mounting | |
| — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — at the side — o mm — at the side — downwards • for live parts — forwards — forwards — o mm • for live parts — forwards — backwards — upwards — o mm — at the side O mm — at the side O mm — downwards — o mm — downwards — o mm — at the side O mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — forwards | 0 mm |
| - downwards - at the side 0 mm • for grounded parts - forwards 0 mm - backwards 0 mm - upwards 0 mm - at the side 0 mm - at the side 0 mm - downwards 0 mm - for live parts - forwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm | — backwards | 0 mm |
| - at the side • for grounded parts - forwards - backwards 0 mm - upwards - at the side 0 mm - downwards • for live parts - forwards - backwards 0 mm • for mm • for wards 0 mm - downwards 0 mm - towards 0 mm - backwards 0 mm - upwards 0 mm - upwards 0 mm - upwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm - mm - at the side 0 mm | — upwards | 0 mm |
| for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — o mm — downwards — forwards — upwards — upwards — upwards — upwards — at the side — o mm — at the side — o mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — downwards | 0 mm |
| — forwards — backwards — upwards — upwards — at the side — downwards — for live parts — forwards — backwards — upwards — upwards — upwards — upwards — at the side — downwards — o mm — at the side — at the side Ambient conditions installation altitude at height above sea level maximum 0 mm 2 000 m | — at the side | 0 mm |
| — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — backwards — upwards — upwards — downwards — at the side O mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | • for grounded parts | |
| — upwards — at the side — downwards ● for live parts — forwards — backwards — backwards — upwards — downwards — downwards — at the side O mm — at the side O mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — forwards | 0 mm |
| — at the side — downwards ● for live parts — forwards — backwards — upwards — upwards — downwards — at the side O mm — at the side O mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — backwards | 0 mm |
| — downwards ● for live parts — forwards — backwards — upwards — downwards — downwards — at the side O mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — upwards | 0 mm |
| ● for live parts — forwards — backwards — upwards — upwards — downwards — at the side Ambient conditions installation altitude at height above sea level maximum 2 000 m | — at the side | 0 mm |
| forwards 0 mm backwards 0 mm upwards 0 mm downwards 0 mm at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — downwards | 0 mm |
| backwards upwards downwards at the side 0 mm mm at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | • for live parts | |
| upwards downwards at the side 0 mm at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — forwards | 0 mm |
| — downwards 0 mm — at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — backwards | 0 mm |
| — at the side 0 mm Ambient conditions installation altitude at height above sea level maximum 2 000 m | — upwards | 0 mm |
| Ambient conditions installation altitude at height above sea level maximum 2 000 m | — downwards | 0 mm |
| installation altitude at height above sea level maximum 2 000 m | — at the side | 0 mm |
| | Ambient conditions | |
| ambient temperature | installation altitude at height above sea level maximum | 2 000 m |
| | ambient temperature | |

during operation
 -25 ... +60 °C
 during storage
 -40 ... +85 °C
 during transport
 -40 ... +85 °C
 relative humidity during operation
 70 %

Certificates/ approvals

General Product Approval Declaration of Conformity other

Confirmation









Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3UG5514-1BR20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG5514-1BR20

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

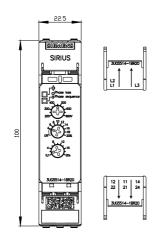
https://support.industry.siemens.com/cs/ww/en/ps/3UG5514-1BR20

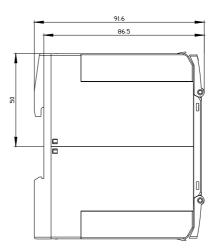
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

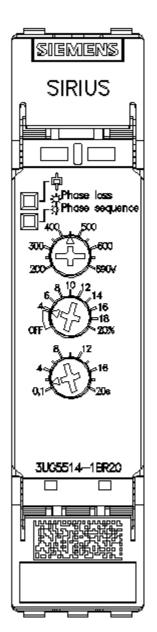
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG5514-1BR20&lang=en

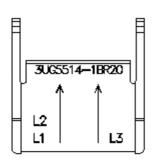
Characteristic: Derating

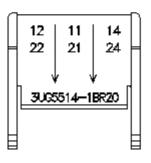
https://support.industry.siemens.com/cs/ww/en/ps/3UG5514-1BR20/manual

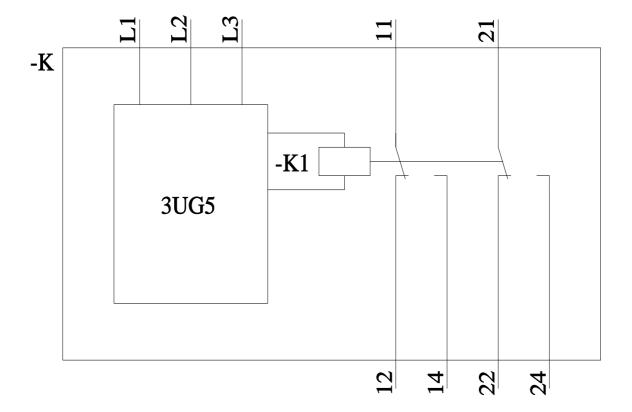












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