SIEMENS

Data sheet 3RW5547-6HA04



SIRIUS soft starter 200-480 V 470 A, 24 V AC/DC Screw terminals

| product brand name | SIRIUS |
|---|--|
| product category | Hybrid switching devices |
| product designation | Soft starter |
| product type designation | 3RW55 |
| manufacturer's article number | |
| of high feature HMI module usable | 3RW5980-0HF00 |
| of communication module PROFINET standard usable | 3RW5980-0CS00 |
| of communication module PROFINET high-feature usable | 3RW5950-0CH00 |
| of communication module PROFIBUS usable | 3RW5980-0CP00 |
| of communication module Modbus TCP usable | 3RW5980-0CT00 |
| of communication module Modbus RTU usable | 3RW5980-0CR00 |
| of communication module Ethernet/IP | 3RW5980-0CE00 |
| of circuit breaker usable at 400 V | 3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 500 V | 3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 400 V at inside-delta circuit | 3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 500 V at inside-delta circuit | 3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of the gG fuse usable up to 690 V | 2x3NA3365-6; Type of coordination 1, Iq = 65 kA |
| of the gG fuse usable at inside-delta circuit up to 500 V | 2x3NA3365-6; Type of coordination 1, Iq = 65 kA |
| of full range R fuse link for semiconductor protection usable up to 690 V | 3NE1436-2; Type of coordination 2, Iq = 65 kA |
| of back-up R fuse link for semiconductor protection usable up to 690 V | 3NE3340-8: Type of coordination 2, Iq = 65 kA |

| General technical data | |
|---------------------------------------|-----------|
| starting voltage [%] | 20 100 % |
| stopping voltage [%] | 50 50 % |
| start-up ramp time of soft starter | 0 360 s |
| ramp-down time of soft starter | 0 360 s |
| start torque [%] | 10 100 % |
| stopping torque [%] | 10 100 % |
| torque limitation [%] | 20 200 % |
| current limiting value [%] adjustable | 125 800 % |
| breakaway voltage [%] adjustable | 40 100 % |
| breakaway time adjustable | 0 2 s |
| number of parameter sets | 3 |

| accuracy class acc. to IEC 61557-12 | 5 % |
|--|---|
| certificate of suitability | · · |
| CE marking | Yes |
| UL approval | Yes |
| CSA approval | Yes |
| product component | |
| HMI-High Feature | Yes |
| is supported HMI-High Feature | Yes |
| product feature integrated bypass contact system | Yes |
| number of controlled phases | 3 |
| trip class | CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2 |
| current unbalance limiting value [%] | 10 60 % |
| ground-fault monitoring limiting value [%] | 10 95 % |
| recovery time after overload trip adjustable | 60 1 800 s |
| buffering time in the event of power failure | |
| for main current circuit | 100 ms |
| for control circuit | 100 ms |
| idle time adjustable | 0 255 s |
| insulation voltage rated value | 480 V |
| degree of pollution | 3, acc. to IEC 60947-4-2 |
| impulse voltage rated value | 6 kV |
| blocking voltage of the thyristor maximum | 1 400 V |
| service factor | 1.15 |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between main and auxiliary circuit | 480 V; does not apply for thermistor connection |
| utilization category acc. to IEC 60947-4-2 | AC 53a |
| shock resistance | 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting |
| vibration resistance | 15 mm up to 6 Hz; 2 g up to 500 Hz |
| | To this of the orange of the control |
| reference code acc. to IEC 81346-2 | Q |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) | |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function | Q 15.02.2018 00:00:00 |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) | Q 15.02.2018 00:00:00 Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) | Q 15.02.2018 00:00:00 Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse | Q 15.02.2018 00:00:00 Yes Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function | Q 15.02.2018 00:00:00 Yes Yes Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function | Q 15.02.2018 00:00:00 Yes Yes Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
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| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook • via software parameterizable | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |
| reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook | Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye |

| a anring type terminal | No |
|---|--|
| spring-type terminal | No |
| PROFlenergy | Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules |
| firmware update | Yes |
| removable terminal for control circuit | Yes |
| voltage ramp | Yes |
| torque control | Yes |
| · | Yes |
| combined braking | |
| analog output | Yes; 4 20 mA (default) / 0 10 V |
| programmable control inputs/outputs | Yes |
| condition monitoring | Yes |
| automatic parameterisation | Yes |
| application wizards | Yes |
| alternative run-down | Yes |
| emergency operation mode | Yes |
| reversing operation | Yes |
| soft starting at heavy starting conditions | Yes |
| Power Electronics | |
| operational current | |
| at 40 °C rated value | 470 A |
| at 40 °C rated value minimum | 94 A |
| at 50 °C rated value | 416 A |
| • at 60 °C rated value | 380 A |
| operational current at inside-delta circuit | |
| at 40 °C rated value | 814 A |
| at 50 °C rated value | 721 A |
| at 60 °C rated value | 658 A |
| operating voltage | |
| rated value | 200 480 V |
| at inside-delta circuit rated value | 200 480 V |
| relative negative tolerance of the operating voltage | -15 % |
| | 40.0/ |
| relative positive tolerance of the operating voltage | 10 % |
| relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at | -15 % |
| relative negative tolerance of the operating voltage at inside-delta circuit | -15 % |
| relative negative tolerance of the operating voltage at | |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit | -15 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at | -15 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value | -15 % 10 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value | -15 % 10 % 132 kW 250 kW |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value | -15 % 10 % 132 kW 250 kW |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value | -15 % 10 % 132 kW 250 kW 250 kW 400 kW |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value | -15 % 10 % 132 kW 250 kW |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency | -15 % 10 % 132 kW 250 kW 250 kW 400 kW |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 %; Relative to set le |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 60 °C after startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 60 °C after startup power loss [W] at AC at current limitation 350 % • at 40 °C during startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 %; Relative to set le 141 W 125 W 114 W |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup power loss [W] at AC at current limitation 350 % • at 40 °C during startup • at 50 °C during startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup power loss [W] at AC at current limitation 350 % • at 40 °C during startup • at 50 °C during startup • at 60 °C during startup | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W 6 400 W 5 620 W |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup power loss [W] at AC at current limitation 350 % • at 40 °C during startup • at 50 °C during startup • at 60 °C during startup • at 60 °C during startup type of the motor protection | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W 6 400 W |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 60 °C after startup • at 40 °C during startup • at 60 °C during startup • at 60 °C during startup • at 60 °C during startup type of the motor protection Control circuit/ Control | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W 6 400 W 5 620 W Electronic, tripping in the event of thermal overload of the motor |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 60 °C after startup • at 60 °C during startup • at 50 °C during startup • at 60 °C during startup • at 60 °C during startup • at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W 6 400 W 5 620 W |
| relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency minimum load [%] power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 60 °C after startup • at 40 °C during startup • at 60 °C during startup • at 60 °C during startup • at 60 °C during startup type of the motor protection Control circuit/ Control | -15 % 10 % 132 kW 250 kW 250 kW 400 kW 50 Hz 60 Hz -10 % 10 % 10 % 10 %; Relative to set le 141 W 125 W 114 W 7 651 W 6 400 W 5 620 W Electronic, tripping in the event of thermal overload of the motor |

| at 60 Hz rated value | 24 V |
|---|--|
| relative negative tolerance of the control supply voltage at AC at 50 Hz | -20 % |
| relative positive tolerance of the control supply voltage at AC at 50 Hz | 20 % |
| relative negative tolerance of the control supply voltage at AC at 60 Hz | -20 % |
| relative positive tolerance of the control supply voltage at AC at 60 Hz | 20 % |
| control supply voltage frequency | 50 60 Hz |
| relative negative tolerance of the control supply voltage frequency | -10 % |
| relative positive tolerance of the control supply voltage frequency | 10 % |
| control supply voltage | |
| at DC rated value | 24 V |
| relative negative tolerance of the control supply voltage at DC | -20 % |
| relative positive tolerance of the control supply voltage at DC | 20 % |
| control supply current in standby mode rated value | 440 mA |
| holding current in bypass operation rated value | 720 mA |
| locked-rotor current at close of bypass contact maximum | 6.7 A |
| inrush current peak at application of control supply voltage maximum | 7.5 A |
| duration of inrush current peak at application of control supply voltage | 20 ms |
| design of the overvoltage protection | Varistor |
| design of short-circuit protection for control circuit | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is |
| | not part of scope of supply |
| Inputs/ Outputs | not part of scope of supply |
| | 4 |
| Inputs/ Outputs number of digital inputs • parameterizable | |
| number of digital inputs | 4 |
| number of digital inputs • parameterizable number of inputs for thermistor connection | 4 4 1; Type A PTC or Klixon / Thermoclick |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs | 4 4 1; Type A PTC or Klixon / Thermoclick 4 |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable | 4 4 1; Type A PTC or Klixon / Thermoclick |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection | 4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.9 kg |
| number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals | 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm |

| width of a constitution becomes | 45 |
|--|--|
| width of connection bar maximum | 45 mm |
| wire length for thermistor connection | |
| • with conductor cross-section = 0.5 mm² maximum | 50 m |
| • with conductor cross-section = 1.5 mm² maximum | 150 m |
| with conductor cross-section = 2.5 mm² maximum | 250 m |
| type of connectable conductor cross-sections | 0. (50040 |
| for DIN cable lug for main contacts stranded | 2x (50 240 mm²) |
| for DIN cable lug for main contacts finely stranded | 2x (70 240 mm²) |
| type of connectable conductor cross-sections | 4 (0.5 4.0 2) 0 (0.5 0.5 2) |
| for control circuit solid | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) |
| for control circuit finely stranded with core end processing | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| at AWG cables for control circuit solid | 1x (20 12), 2x (20 14) |
| wire length | |
| between soft starter and motor maximum | 800 m |
| at the digital inputs at DC maximum | 1 000 m |
| tightening torque | |
| for main contacts with screw-type terminals | 14 24 N·m |
| for auxiliary and control contacts with screw-type terminals | 0.8 1.2 N·m |
| tightening torque [lbf·in] | |
| for main contacts with screw-type terminals | 124 210 lbf·in |
| for auxiliary and control contacts with screw-type | 7 10.3 lbf·in |
| terminals | |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog |
| ambient temperature | |
| during operation | -25 +60 °C; Please observe derating at temperatures of 40 °C or above |
| during storage and transport | -40 +80 °C |
| environmental category | |
| during operation acc. to IEC 60721 | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt |
| during storage acc. to IEC 60721 | mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must |
| • during storage acc. to IEO 00721 | not get inside the devices), 1M4 |
| during transport acc. to IEC 60721 | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| EMC emitted interference | acc. to IEC 60947-4-2: Class A |
| Communication/ Protocol | |
| communication module is supported | |
| PROFINET standard | Yes |
| PROFINET high-feature | Yes |
| EtherNet/IP | Yes |
| Modbus RTU | Yes |
| Modbus TCP | Yes |
| • PROFIBUS | Yes |
| UL/CSA ratings | |
| manufacturer's article number | |
| • of the fuse | |
| — usable for Standard Faults up to 575/600 V according to UL | Type: Class J / L, max. 1600 A; Iq = 30 kA |
| usable for High Faults up to 575/600 V according to UL | Type: Class J / L, max. 1200 A; Iq = 100 kA |
| usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL | Type: Class J / L, max. 1600 A; Iq = 30 kA |
| usable for High Faults at inside-delta circuit up to 575/600 V according to UL | Type: Class J / L, max. 1200 A; Iq = 100 kA |
| operating power [hp] for 3-phase motors | |
| • at 200/208 V at 50 °C rated value | 150 hp |
| at 220/230 V at 50 °C rated value | 150 hp |
| • at 460/480 V at 50 °C rated value | 350 hp |
| at 100/100 vat 00 O lated value | ooo nip |

| at 200/208 V at inside-delta circuit at 50 °C rated value | 250 hp |
|---|--|
| at 220/230 V at inside-delta circuit at 50 °C rated value | 250 hp |
| at 460/480 V at inside-delta circuit at 50 °C rated value | 600 hp |
| contact rating of auxiliary contacts according to UL | R300-B300 |
| Safety related data | |
| protection class IP on the front acc. to IEC 60529 | IP00; IP20 with cover |
| touch protection on the front acc. to IEC 60529 | finger-safe, for vertical contact from the front with cover |
| electromagnetic compatibility | acc. to IEC 60947-4-2 |
| ATEX | |
| certificate of suitability | |
| • ATEX | Yes |
| • IECEx | Yes |
| according to ATEX directive 2014/34/EU | BVS 18 ATEX F 003 X |
| type of protection according to ATEX directive 2014/34/EU | II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb] |
| hardware fault tolerance acc. to IEC 61508 relating to ATEX | 0 |
| PFDavg with low demand rate acc. to IEC 61508 relating to ATEX | 0.008 |
| PFHD with high demand rate acc. to EN 62061 relating to ATEX | 0.0000005 1/h |
| Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX | SIL1 |
| T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX | 3 y |



Certificates/ approvals

General Product Approval









EMC



For use in hazard-

ous locations

For use in hazardous locations Declaration of Conformity

Test Certificates

Marine / Shipping



IECEx



Type Test Certificates/Test Report







Marine / Shipping

other





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=3RW5547-6HA04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5547-6HA04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5547-6HA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5547-6HA04&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

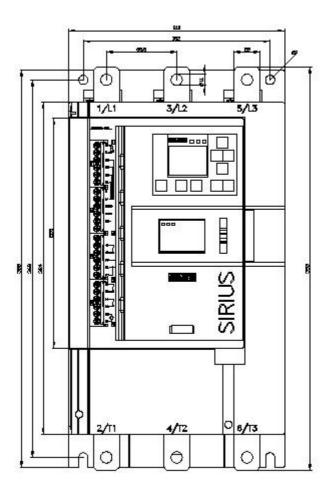
https://support.industry.siemens.com/cs/ww/en/ps/3RW5547-6HA04/char

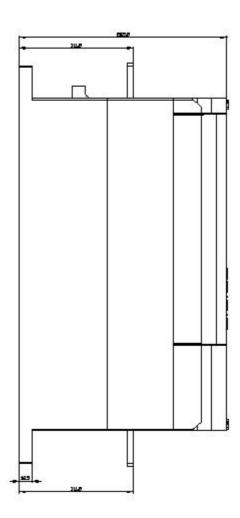
Characteristic: Installation altitude

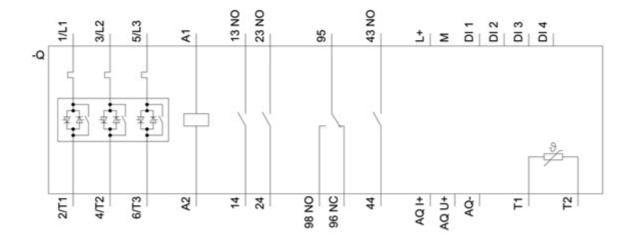
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5547-6HA04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917







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