SIEMENS

Data sheet 3RW5247-2TC04



SIRIUS soft starter 200-480 V 470 A, 24 V AC/DC spring-type terminals Thermistor input

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of circuit breaker usable at 500 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- of the gG fuse usable at inside-delta circuit up to 500 V
- \bullet of full range R fuse link for semiconductor protection usable up to 690 V
- of back-up R fuse link for semiconductor protection usable up to 690 V

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

2x3NA3365-6; Type of coordination 1, Iq = 65 kA

2x3NA3365-6; Type of coordination 1, Iq = 65 kA

3NE1436-2; Type of coordination 2, Iq = 65 kA

3NE3340-8; Type of coordination 2, Iq = 65 kA

General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter current limiting value [%] adjustable certificate of suitability

- CE marking
- UL approval
- CSA approval

product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

3

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

| for main current circuit | 100 ms |
|---|--|
| for control circuit | 100 ms |
| insulation voltage rated value | 600 V |
| degree of pollution | 3, acc. to IEC 60947-4-2 |
| impulse voltage rated value | 6 kV |
| blocking voltage of the thyristor maximum | 1 600 V |
| service factor | 1 |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between main and auxiliary circuit | 600 V |
| shock resistance | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting |
| vibration resistance | 15 mm to 6 Hz; 2g to 500 Hz |
| utilization category according to IEC 60947-4-2 | AC 53a |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 02/15/2018 |
| product function | |
| ramp-up (soft starting) | Yes |
| ramp-down (soft stop) | Yes |
| Soft Torque | Yes |
| adjustable current limitation | Yes |
| pump ramp down | Yes |
| intrinsic device protection | Yes |
| motor overload protection | Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) |
| evaluation of thermistor motor protection | Yes; Type A PTC or Klixon / Thermoclick |
| inside-delta circuit | Yes |
| auto-RESET | Yes |
| manual RESET | Yes |
| remote reset | Yes; By turning off the control supply voltage |
| communication function | Yes |
| operating measured value display | Yes; Only in conjunction with special accessories |
| error logbook | Yes; Only in conjunction with special accessories |
| | |
| via software parameterizable | No |
| • via software configurable | Yes |
| via software configurablePROFlenergy | Yes Yes; in connection with the PROFINET Standard communication module |
| via software configurablePROFlenergyfirmware update | Yes Yes; in connection with the PROFINET Standard communication |
| via software configurable PROFlenergy firmware update removable terminal for control circuit | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No No No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No No |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit | Yes; in connection with the PROFINET Standard communication module Yes Yes No No A 470 A 416 A 380 A |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value or at 40 °C rated value or at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value or at 50 °C rated value or at 60 °C rated value or at 60 °C rated value | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operating voltage | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value at inside-delta circuit rated value | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value operating voltage rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit | Yes Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage 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 | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value operating voltage at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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 | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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 | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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 | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 1132 kW 250 kW 250 kW |
| via software configurable PROFlenergy firmware update removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value 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 230 V at inside-delta circuit at 40 °C rated value | Yes; in connection with the PROFINET Standard communication module Yes Yes No No No 470 A 416 A 380 A 814 A 721 A 658 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % |

| Operating frequency 2 rated value | 60 Hz |
|--|--|
| relative negative tolerance of the operating frequency | -10 % |
| relative positive tolerance of the operating frequency | 10 % |
| adjustable motor current | |
| at rotary coding switch on switch position 1 | 200 A |
| at rotary coding switch on switch position 2 | 218 A |
| at rotary coding switch on switch position 3 | 236 A |
| at rotary coding switch on switch position 4 | 254 A |
| at rotary coding switch on switch position 5 | 272 A |
| at rotary coding switch on switch position 6 | 290 A |
| at rotary coding switch on switch position 7 | 308 A |
| at rotary coding switch on switch position 8 | 326 A |
| at rotary coding switch on switch position 9 at rotary coding switch on switch position 10. | 344 A 362 A |
| at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 | 380 A |
| at rotary coding switch on switch position 12 at rotary coding switch on switch position 12 | 398 A |
| at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 | 416 A |
| at rotary coding switch on switch position 14 | 434 A |
| at rotary coding switch on switch position 15 | 452 A |
| at rotary coding switch on switch position 16 | 470 A |
| • minimum | 200 A |
| adjustable motor current | |
| for inside-delta circuit at rotary coding switch on switch position 1 | 346 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 378 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 409 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 440 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 471 A |
| for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on | 502 A 533 A |
| switch position 7 • for inside-delta circuit at rotary coding switch on | 565 A |
| switch position 8 • for inside-delta circuit at rotary coding switch on | 596 A |
| switch position 9 • for inside-delta circuit at rotary coding switch on | 627 A |
| switch position 10 • for inside-delta circuit at rotary coding switch on | 658 A |
| switch position 11 • for inside-delta circuit at rotary coding switch on | 689 A |
| switch position 12for inside-delta circuit at rotary coding switch on | 721 A |
| switch position 13 for inside-delta circuit at rotary coding switch on | 752 A |
| switch position 14 • for inside-delta circuit at rotary coding switch on | 783 A |
| switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 | 814 A |
| at inside-delta circuit minimum | 346 A |
| minimum load [%] | 15 %; Relative to smallest settable le |
| power loss [W] for rated value of the current at AC | |
| at 40 °C after startup | 153 W |
| at 50 °C after startup | 137 W |
| at 60 °C after startup | 126 W |
| power loss [W] at AC at current limitation 350 % | |
| at 40 °C during startup | 7 903 W |
| • at 50 °C during startup | 6 604 W |
| at 60 °C during startup | 5 794 W |
| Control circuit/ Control | 40/00 |
| type of voltage of the control supply voltage | AC/DC |
| control supply voltage at AC | |

| at 50 Hz rated value | 24 V |
|--|--|
| 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 | -10 % |
| voltage frequency relative positive tolerance of the control supply | 10 % |
| voltage frequency | 10 76 |
| 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 | 160 mA |
| holding current in bypass operation rated value | 470 mA |
| inrush current peak at application of control supply voltage maximum | 3.3 A |
| duration of inrush current peak at application of control supply voltage | 12.1 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 | |
| number of digital inputs | 1 |
| number of digital outputs | 3 |
| not parameterizable | 2 |
| digital output version | 2 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of analog outputs switching capacity current of the relay outputs | 0 |
| • at AC-15 at 250 V rated value | 3 A |
| • at DC-13 at 24 V rated value | 1 A |
| Installation/ mounting/ dimensions | |
| | with vertical mounting ourface ±/ 00° retetable, with vertical mounting |
| mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| fastening method | screw fixing |
| height | 393 mm |
| width | 210 mm |
| depth | 203 mm |
| required spacing with side-by-side mounting | |
| • forwards | 10 mm |
| backwards | 0 mm |
| • upwards | 100 mm |
| • downwards | 75 mm |
| • at the side | 5 mm |
| weight without packaging | 9.9 kg |
| Connections/ Terminals | |
| type of electrical connection | |
| • for main current circuit | busbar connection |
| • for control circuit | spring-loaded terminals |
| wird longth for thermister connection | 45 mm |
| wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum | 50 m |
| with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum | 150 m |
| with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum | 250 m |
| type of connectable conductor cross-sections | 200 III |
| The or commediate comments cross-sections | |
| for DIN cable lug for main contacts stranded | 2x (50 240 mm²) |
| for DIN cable lug for main contacts strandedfor DIN cable lug for main contacts finely stranded | 2x (50 240 mm²) 2x (70 240 mm²) |

| type of connectable conductor cross-sections | |
|--|--|
| for control circuit solid | 2x (0.25 1.5 mm²) |
| for control circuit finely stranded with core end | 2x (0.25 1.5 mm²) |
| processing | 0 (04 40) |
| at AWG cables for control circuit solid | 2x (24 16) |
| at AWG cables for control circuit finely stranded with core end processing | 2x (24 16) |
| wire length | |
| | 800 m |
| between soft starter and motor maximum | 100 m |
| at the digital inputs at AC maximum at the digital inputs at DC maximum | 1 000 m |
| at the digital inputs at DC maximum | 1 000 111 |
| tightening torque | 44 04 N m |
| 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 | 7 10.0 101 111 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 5 000 m; Derating as of 1000 m, see catalog |
| ambient temperature | 5 555 m, Solding as of 1666 m, 566 datalog |
| during operation | -25 +60 °C; Please observe derating at temperatures of 40 °C or |
| - during operation | above |
| during storage and transport | -40 +80 °C |
| environmental category | |
| during operation according to IEC 60721 | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt |
| 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | mist), 3S2 (sand must not get into the devices), 3M6 |
| during storage according to IEC 60721 | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must |
| | not get inside the devices), 1M4 |
| during transport according 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 |
| 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 | Type: Class J / L, max. 1600 A; Iq = 30 kA |
| according to UL | . , j. 5. 3.000 0 / E, max. 1000 / 1, iq 00 id 1 |
| — usable for High Faults up to 575/600 V | Type: Class J / L, max. 1200 A; Iq = 100 kA |
| according to UL | |
| usable for Standard Faults at inside-delta | Type: Class J / L, max. 1600 A; Iq = 30 kA |
| circuit up to 575/600 V according to UL | |
| — usable for High Faults at inside-delta circuit up | Type: Class J / L, max. 1200 A; lq = 100 kA |
| to 575/600 V according to UL | |
| 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 at 460/480 V at 50 °C rated value | 150 hp |
| at 460/480 V at 50 °C rated value at 200/208 V at inside delta circuit at 50 °C rated | 350 hp |
| 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 | 600 hp |
| value | |
| contact rating of auxiliary contacts according to UL | R300-B300 |
| Safety related data | |
| protection class IP on the front according to IEC 60529 | IP00; IP20 with cover |
| | |
| touch protection on the front according to IEC 60529 electromagnetic compatibility | finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2 |

Certificates/ approvals

General Product Approval

EMC



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





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=3RW5247-2TC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5247-2TC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5247-2TC04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5247-2TC04&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

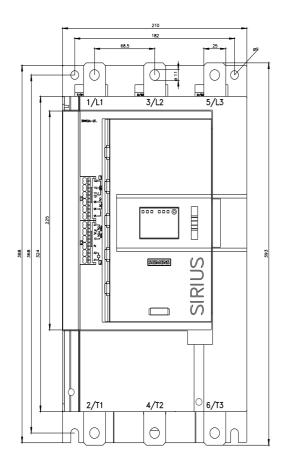
https://support.industry.siemens.com/cs/ww/en/ps/3RW5247-2TC04/char

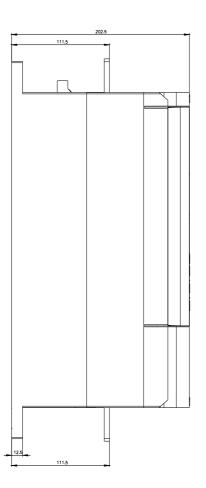
Characteristic: Installation altitude

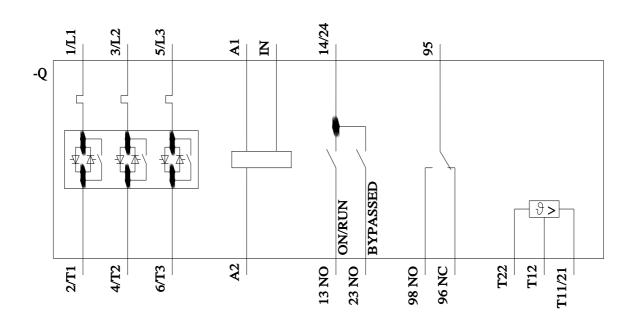
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5247-2TC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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