SIEMENS

Data sheet

3RW5217-1TC04



SIRIUS soft starter 200-480 V 38 A, 24 V AC/DC Screw terminals Thermistor input

| product brand name | SIRIUS |
|---|---|
| product category | Hybrid switching devices |
| product designation | Soft starter |
| product type designation | 3RW52 |
| manufacturer's article number | |
| of standard HMI module usable | <u>3RW5980-0HS00</u> |
| of high feature HMI module usable | <u>3RW5980-0HF00</u> |
| of communication module PROFINET standard usable | <u>3RW5980-0CS00</u> |
| of communication module PROFIBUS usable | <u>3RW5980-0CP00</u> |
| of communication module Modbus TCP usable | <u>3RW5980-0CT00</u> |
| of communication module Modbus RTU usable | <u>3RW5980-0CR00</u> |
| of communication module Ethernet/IP | <u>3RW5980-0CE00</u> |
| of circuit breaker usable at 400 V | 3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 500 V | 3RV2032-4WA10; Type of coordination 1, Iq = 10 kA, CLASS 10 |
| of circuit breaker usable at 400 V at inside-delta circuit | 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| of circuit breaker usable at 500 V at inside-delta circuit | 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 |
| of the gG fuse usable up to 690 V | 3NA3824-6; Type of coordination 1, Iq = 65 kA |
| of the gG fuse usable at inside-delta circuit up to 500 V | 3NA3824-6; Type of coordination 1, Iq = 65 kA |
| of full range R fuse link for semiconductor protection usable up to 690 V | <u>3NE1820-0; Type of coordination 2, Iq = 65 kA</u> |
| of back-up R fuse link for semiconductor protection usable up to 690 V | <u>3NE8024-1; Type of coordination 2, Iq = 65 kA</u> |

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| General technical data | | | | |
|---|--|--|--|--|
| starting voltage [%] | 30 100 % | | | |
| stopping voltage [%] | 50 %; non-adjustable | | | |
| start-up ramp time of soft starter | 0 20 s | | | |
| current limiting value [%] adjustable | 130 700 % | | | |
| certificate of suitability | | | | |
| CE marking | Yes | | | |
| UL approval | Yes | | | |
| CSA approval | Yes | | | |
| product component | | | | |
| HMI-High Feature | No | | | |
| is supported HMI-Standard | Yes | | | |
| is supported HMI-High Feature | Yes | | | |
| product feature integrated bypass contact system | Yes | | | |
| number of controlled phases | 3 | | | |
| trip class | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2 | | | |
| buffering time in the event of power failure | | | | |
| for main current circuit | 100 ms | | | |
| for control circuit | 100 ms | | | |

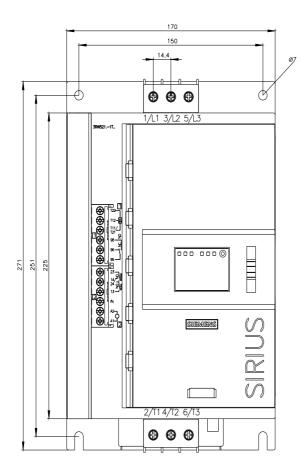
| insulation voltage rated value | 600 V | | | |
|---|---|--|--|--|
| degree of pollution | 3, acc. to IEC 60947-4-2 | | | |
| impulse voltage rated value | 6 kV | | | |
| blocking voltage of the thyristor maximum | 1 600 V | | | |
| service factor | 1 | | | |
| surge voltage resistance rated value | 6 kV | | | |
| maximum permissible voltage for protective separation | | | | |
| 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 | | | |
| - | Yes | | | |
| pump ramp down intrinsic device protection | Yes | | | |
| intrinsic device protection | | | | |
| 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 | | | |
| PROFlenergy | Yes; in connection with the PROFINET Standard communication module | | | |
| firmware update | Yes | | | |
| removable terminal for control circuit | Yes | | | |
| torque control | No | | | |
| analog output | No | | | |
| Power Electronics | | | | |
| operational current | | | | |
| • at 40 °C rated value | 38 A | | | |
| • at 50 °C rated value | 33.5 A | | | |
| • at 60 °C rated value | 30.5 A | | | |
| operational current at inside-delta circuit | | | | |
| • at 40 °C rated value | 65.8 A | | | |
| • at 50 °C rated value | 58 A | | | |
| at 60 °C rated value | 52.8 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 % | | | |
| relative positive tolerance of the operating voltage | 10 % | | | |
| relative positive tolerance of the operating voltage at inside-delta circuit | -15 % | | | |
| relative positive tolerance of the operating voltage at inside-delta circuit | 10 % | | | |
| operating power for 3-phase motors | | | | |
| | 11 kW | | | |
| • at 230 V at 40 °C rated value | | | | |
| • at 230 V at inside-delta circuit at 40 °C rated value | 18.5 kW | | | |
| • at 400 V at 40 °C rated value | 18.5 kW | | | |
| at 400 V at inside-delta circuit at 40 °C rated value | 30 kW | | | |
| Operating frequency 1 rated value | 50 Hz | | | |
| Operating frequency 2 rated value | 60 Hz | | | |

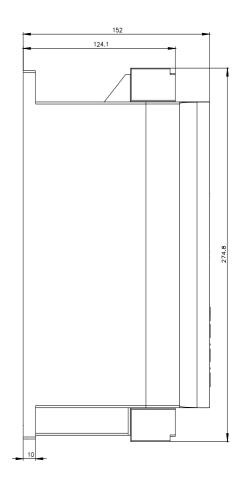
| relative negative tolerance of the operating frequency | -10 % |
|---|--|
| relative positive tolerance of the operating frequency | 10 % |
| adjustable motor current | |
| at rotary coding switch on switch position 1 | 15.5 A |
| at rotary coding switch on switch position 2 | 17 A |
| at rotary coding switch on switch position 3 | 18.5 A |
| at rotary coding switch on switch position 4 | 20 A |
| at rotary coding switch on switch position 5 | 21.5 A |
| at rotary coding switch on switch position 6 | 23 A |
| at rotary coding switch on switch position 7 | 24.5 A |
| at rotary coding switch on switch position 8 | 26 A |
| at rotary coding switch on switch position 9 | 27.5 A |
| at rotary coding switch on switch position 10 | 29 A |
| at rotary coding switch on switch position 11 | 30.5 A |
| at rotary coding switch on switch position 12 | 32 A |
| at rotary coding switch on switch position 13 | 33.5 A |
| at rotary coding switch on switch position 14 | 35 A |
| at rotary coding switch on switch position 15 | 36.5 A |
| at rotary coding switch on switch position 16 | 38 A |
| • minimum | 15.5 A |
| adjustable motor current | |
| for inside-delta circuit at rotary coding switch on switch position 1 | 26.8 A |
| for inside-delta circuit at rotary coding switch on switch position 2 | 29.4 A |
| for inside-delta circuit at rotary coding switch on switch position 3 | 32 A |
| for inside-delta circuit at rotary coding switch on switch position 4 | 34.6 A |
| for inside-delta circuit at rotary coding switch on switch position 5 | 37.2 A |
| for inside-delta circuit at rotary coding switch on switch position 6 | 39.8 A |
| for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at rotary coding switch on switch | 42.4 A 45 A |
| for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on switch | 45 A 47.6 A |
| for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch | 50.2 A |
| for inside delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch | 52.8 A |
| • for inside-delta circuit at rotary coding switch on switch | 55.4 A |
| position 12 for inside-delta circuit at rotary coding switch on switch | 58 A |
| position 13for inside-delta circuit at rotary coding switch on switch | 60.6 A |
| position 14for inside-delta circuit at rotary coding switch on switch | 63.2 A |
| position 15for inside-delta circuit at rotary coding switch on switch | 65.8 A |
| position 16 | 00.0.4 |
| at inside-delta circuit minimum | 26.8 A |
| minimum load [%] | 15 %; Relative to smallest settable le |
| power loss [W] for rated value of the current at AC | 23 W |
| at 40 °C after startup at 50 °C after startup | 23 W 22 W |
| • | 22 W 21 W |
| at 60 °C after startup power loss [W] at AC at current limitation 350 % | 2 I VV |
| at 40 °C during startup | 628 W |
| • at 50 °C during startup | 526 W |
| • at 60 °C during startup | 464 W |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC/DC |
| type of voltage of the control supply voltage | NODO |

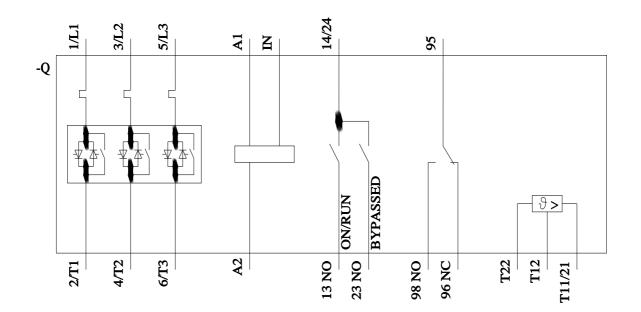
| control supply voltage at AC | | | | |
|---|---|--|--|--|
| • at 50 Hz rated value | 24 V | | | |
| • at 60 Hz rated value | 24 V | | | |
| relative negative tolerance of the control supply voltage at AC at 50 Hz | -20 % | | | |
| relative positive tolerance of the control supply voltage at AC at 50 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 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 | 160 mA | | | |
| holding current in bypass operation rated value | 360 mA | | | |
| inrush current by closing the bypass contacts maximum | 0.75 A | | | |
| 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 | | | |
| | 1 3 | | | |
| number of digital inputs | | | | |
| number of digital inputs number of digital outputs | 3 | | | |
| number of digital inputs number of digital outputs • not parameterizable | 3 2 | | | |
| number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm | | | |
| number of digital inputs 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 | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm | | | |
| number of digital inputs 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 • at the side | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm | | | |
| number of digital inputs 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 • at the side weight without packaging | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm | | | |
| number of digital inputs 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 • at the side weight without packaging Connections/ Terminals | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm | | | |
| number of digital inputs 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 • at the side weight without packaging Connections/ Terminals type of electrical connection | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg | | | |
| number of digital inputs 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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals | | | |
| number of digital inputs 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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals | | | |
| number of digital inputs 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 • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for control circuit | 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals | | | |

| type of connectable conductor cross-sections | | | | |
|--|---|--|--|--|
| for main contacts | | | | |
| — solid | 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) | | | |
| — finely stranded with core end processing | 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) | | | |
| for AWG cables for main current circuit solid | 2x (16 12), 2x (14 8) | | | |
| type of connectable conductor cross-sections | | | | |
| 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) | | | |
| for 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 AC maximum | 100 m | | | |
| at the digital inputs at DC maximum | 1 000 m | | | |
| tightening torque | | | | |
| for main contacts with screw-type terminals | 2 2.5 N·m | | | |
| for auxiliary and control contacts with screw-type | 0.8 1.2 N·m | | | |
| terminals | | | | |
| tightening torque [lbf·in] | 40 00 1145 - | | | |
| for main contacts with screw-type terminals | 18 22 lbf-in | | | |
| for auxiliary and control contacts with screw-type terminals | 7 10.3 lbf-in | | | |
| 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 according to IEC 60721 | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt 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 circuit breaker | | | | |
| — usable for Standard Faults at 460/480 V according to UL | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA | | | |
| — usable for High Faults at 460/480 V according to UL | Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA | | | |
| — usable for Standard Faults at 460/480 V at inside- delta circuit according to UL | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA | | | |
| — usable for High Faults at 460/480 V at inside-delta circuit according to UL | Siemens type: 3VA51, max. 60 A; lq max = 65 kA | | | |
| — usable for Standard Faults at 575/600 V according to UL | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA | | | |
| — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA | | | |
| of the fuse | | | | |
| — usable for Standard Faults up to 575/600 V according to UL | Type: Class RK5 / K5, max. 150 A; Iq = 5 kA | | | |
| — usable for High Faults up to 575/600 V according to UL | Type: Class J / L, max. 150 A; lq = 100 kA | | | |
| — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL | Type: Class RK5 / K5, max. 150 A; Iq = 5 kA | | | |
| — usable for High Faults at inside-delta circuit up to 575/600 V according to UL | Type: Class J / L, max. 150 A; lq = 100 kA | | | |
| | | | | |

| • at 200/208 V at 5 | 0 °C rated value | | 10 hp | | | |
|---|--|--|---------------------------|-------------------------------|------------------------------|----------------------------|
| • at 220/230 V at 5 | i0 °C rated value | | 10 hp | | | |
| • at 460/480 V at 5 | i0 °C rated value | | 20 hp | | | |
| • at 200/208 V at i | nside-delta circuit at 50 ° | C rated value | 15 hp | | | |
| • at 220/230 V at i | nside-delta circuit at 50 ° | C rated value | 20 hp | | | |
| • at 460/480 V at i | nside-delta circuit at 50 ° | C rated value | 40 hp | | | |
| contact rating of auxil | contact rating of auxiliary contacts according to UL | | R300-E | 3300 | | |
| afety related data | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 5 | | | | |
| | the front according to | IEC 60529 | IP20 | | | |
| - | e front according to IE | | finger- | safe, for vertical contact | from the front | |
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