

Siemens  
EcoTech



SIRIUS soft starter 200-480 V 25 A, 24 V AC/DC spring-type terminals



|  |   |
|--|---|
| <b>product brand name</b>  | SIRIUS  |
| <b>product category</b>  | Hybrid switching devices  |
| <b>product designation</b>   | Soft starter  |
| <b>product type designation</b>  | 3RW55   |
| <b>manufacturer's article number</b>   |   |
| <ul style="list-style-type: none"> <li>• of high feature HMI module usable</li> <li>• of communication module PROFINET standard usable</li> <li>• of communication module PROFINET high-feature usable</li> <li>• of communication module PROFIBUS usable</li> <li>• of communication module Modbus TCP usable</li> <li>• of communication module Modbus RTU usable</li> <li>• of communication module Ethernet/IP</li> <li>• of circuit breaker usable at 400 V</li> <li>• of circuit breaker usable at 500 V</li> <li>• of circuit breaker usable at 400 V at inside-delta circuit</li> <li>• of circuit breaker usable at 500 V at inside-delta circuit</li> <li>• of the gG fuse usable up to 690 V</li> <li>• of the gG fuse usable at inside-delta circuit up to 500 V</li> <li>• of full range R fuse link for semiconductor protection usable up to 690 V</li> <li>• of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul> | <ul style="list-style-type: none"> <li><a href="#">3RW5980-0HF00</a></li> <li><a href="#">3RW5980-0CS00</a></li> <li><a href="#">3RW5950-0CH00</a></li> <li><a href="#">3RW5980-0CP00</a></li> <li><a href="#">3RW5980-0CT00</a></li> <li><a href="#">3RW5980-0CR00</a></li> <li><a href="#">3RW5980-0CE00</a></li> <li><a href="#">3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4VA10; Type of coordination 1, Iq = 15 kA, CLASS 10</a></li> <li><a href="#">3NA3822-6; Type of coordination 1, Iq = 65 kA</a></li> <li><a href="#">3NA3822-6; Type of coordination 1, Iq = 65 kA</a></li> <li><a href="#">3NE1817-0; Type of coordination 2, Iq = 65 kA</a></li> <li><a href="#">3NE8021-1; Type of coordination 2, Iq = 65 kA</a></li> </ul> |
| <b>General technical data</b>  |   |
| <b>starting voltage [%]</b>  | 20 ... 100 %  |
| <b>stopping voltage [%]</b>  | 50 %; non-adjustable  |
| <b>start-up ramp time of soft starter</b>  | 0 ... 360 s   |
| <b>ramp-down time of soft starter</b>  | 0 ... 360 s   |
| <b>start torque [%]</b>  | 10 ... 100 %  |
| <b>stopping torque [%]</b>   | 10 ... 100 %  |
| <b>torque limitation [%]</b>   | 20 ... 200 %  |
| <b>current limiting value [%] adjustable</b>   | 125 ... 800 %   |
| <b>breakaway voltage [%] adjustable</b>  | 40 ... 100 %  |
| <b>breakaway time adjustable</b>   | 0 ... 2 s   |
| <b>number of parameter sets</b>  | 3   |
| <b>accuracy class</b>  | 5 (based on IEC 61557-12)   |
| <b>certificate of suitability</b>  |   |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> </ul>  | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> </ul>  |

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| <ul style="list-style-type: none"> <li>• CSA approval</li> </ul>                               | Yes   |
| <b>product component</b>   |   |
| <ul style="list-style-type: none"> <li>• HMI-High Feature</li> </ul>                           | Yes   |
| <ul style="list-style-type: none"> <li>• is supported HMI-High Feature</li> </ul>              | Yes   |
| <b>product feature integrated bypass contact system</b>  | Yes   |
| <b>number of controlled phases</b>   | 3   |
| <b>current unbalance limiting value [%]</b>  | 10 ... 60 %   |
| <b>ground-fault monitoring limiting value [%]</b>  | 10 ... 95 %   |
| <b>buffering time in the event of power failure</b>  |   |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> </ul>                   | 100 ms  |
| <ul style="list-style-type: none"> <li>• for control circuit</li> </ul>                        | 100 ms  |
| <b>idle time adjustable</b>  | 0 ... 255 s   |
| <b>insulation voltage rated value</b>  | 480 V   |
| <b>degree of pollution</b>   | 3, acc. to IEC 60947-4-2  |
| <b>impulse voltage rated value</b>   | 6 kV  |
| <b>blocking voltage of the thyristor maximum</b>   | 1 600 V   |
| <b>service factor</b>  | 1.15  |
| <b>surge voltage resistance rated value</b>  | 6 kV  |
| <b>maximum permissible voltage for protective separation</b>                                   |   |
| <ul style="list-style-type: none"> <li>• between main and auxiliary circuit</li> </ul>         | 480 V; does not apply for thermistor connection   |
| <b>shock resistance</b>  | 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting   |
| <b>vibration resistance</b>  | 15 mm up to 6 Hz; 2 g up to 500 Hz  |
| <b>recovery time after overload trip adjustable</b>  | 60 ... 1 800 s  |
| utilization category according to IEC 60947-4-2  | AC 53a  |
| <b>reference code according to IEC 81346-2</b>   | Q   |
| <b>Substance Prohibitance (Date)</b>   | 02/15/2018  |
| <b>SVHC substance name</b>   | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5<br>Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4<br>Diboron trioxide - 1303-86-2<br>Lead titanium trioxide - 12060-00-3 |
| <b>Weight</b>  | 3.39 kg   |
| <b>product function</b>  |   |
| <ul style="list-style-type: none"> <li>• ramp-up (soft starting)</li> </ul>                    | Yes   |
| <ul style="list-style-type: none"> <li>• ramp-down (soft stop)</li> </ul>                      | Yes   |
| <ul style="list-style-type: none"> <li>• breakaway pulse</li> </ul>                            | Yes   |
| <ul style="list-style-type: none"> <li>• adjustable current limitation</li> </ul>              | Yes   |
| <ul style="list-style-type: none"> <li>• creep speed in both directions of rotation</li> </ul> | Yes   |
| <ul style="list-style-type: none"> <li>• pump ramp down</li> </ul>                             | Yes   |
| <ul style="list-style-type: none"> <li>• DC braking</li> </ul>                                 | Yes   |
| <ul style="list-style-type: none"> <li>• motor heating</li> </ul>                              | Yes   |
| <ul style="list-style-type: none"> <li>• min/max pointer</li> </ul>                            | Yes   |
| <ul style="list-style-type: none"> <li>• trace function</li> </ul>                             | Yes   |
| <ul style="list-style-type: none"> <li>• intrinsic device protection</li> </ul>                | Yes   |
| <ul style="list-style-type: none"> <li>• motor overload protection</li> </ul>                  | Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.  |
| <ul style="list-style-type: none"> <li>• evaluation of thermistor motor protection</li> </ul>  | Yes; Type A PTC or Klixon / Thermoclick   |
| <ul style="list-style-type: none"> <li>• inside-delta circuit</li> </ul>                       | Yes   |
| <ul style="list-style-type: none"> <li>• auto-RESET</li> </ul>                                 | Yes   |
| <ul style="list-style-type: none"> <li>• manual RESET</li> </ul>                               | Yes   |
| <ul style="list-style-type: none"> <li>• remote reset</li> </ul>                               | Yes   |
| <ul style="list-style-type: none"> <li>• communication function</li> </ul>                     | Yes   |
| <ul style="list-style-type: none"> <li>• operating measured value display</li> </ul>           | Yes   |
| <ul style="list-style-type: none"> <li>• event list</li> </ul>                                 | Yes   |
| <ul style="list-style-type: none"> <li>• error logbook</li> </ul>                              | Yes   |
| <ul style="list-style-type: none"> <li>• via software parameterizable</li> </ul>               | Yes   |
| <ul style="list-style-type: none"> <li>• via software configurable</li> </ul>                  | Yes   |
| <ul style="list-style-type: none"> <li>• screw terminal</li> </ul>                             | No  |
| <ul style="list-style-type: none"> <li>• spring-loaded terminal</li> </ul>                     | Yes   |
| <ul style="list-style-type: none"> <li>• <b>PROFenergy</b></li> </ul>                          | Yes; in connection with the PROFINET Standard and PROFINET High-Feature   |

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| <ul style="list-style-type: none"> <li>• <b>firmware update</b></li> <li>• <b>removable terminal for control circuit</b></li> <li>• voltage ramp</li> <li>• torque control</li> <li>• combined braking</li> <li>• analog output</li> <li>• programmable control inputs/outputs</li> <li>• condition monitoring</li> <li>• automatic parameterisation</li> <li>• application wizards</li> <li>• alternative run-down</li> <li>• emergency operation mode</li> <li>• reversing operation</li> <li>• soft starting at heavy starting conditions</li> </ul> | communication modules<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes; 4 ... 20 mA (default) / 0 ... 10 V<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes |
| <b>Power Electronics</b>  |   |
| <b>operational current</b>  |   |
| <ul style="list-style-type: none"> <li>• at 40 °C rated value</li> <li>• at 40 °C rated value minimum</li> <li>• at 50 °C rated value</li> <li>• at 60 °C rated value</li> </ul>  | 25 A<br>5 A<br>22.3 A<br>19.6 A   |
| <b>operational current at inside-delta circuit</b>  |   |
| <ul style="list-style-type: none"> <li>• at 40 °C rated value</li> <li>• at 50 °C rated value</li> <li>• at 60 °C rated value</li> </ul>  | 43.3 A<br>39 A<br>33.9 A  |
| <b>operating voltage</b>  |   |
| <ul style="list-style-type: none"> <li>• rated value</li> <li>• at inside-delta circuit rated value</li> </ul>  | 200 ... 480 V<br>200 ... 480 V  |
| <b>relative negative tolerance of the operating voltage</b>   | -15 %   |
| <b>relative positive tolerance of the operating voltage</b>   | 10 %  |
| <b>relative negative tolerance of the operating voltage at inside-delta circuit</b>   | -15 %   |
| <b>relative positive tolerance of the operating voltage at inside-delta circuit</b>   | 10 %  |
| <b>operating power for 3-phase motors</b>   |   |
| <ul style="list-style-type: none"> <li>• at 230 V at 40 °C rated value</li> <li>• at 230 V at inside-delta circuit at 40 °C rated value</li> <li>• at 400 V at 40 °C rated value</li> <li>• at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>  | 5.5 kW<br>11 kW<br>11 kW<br>18.5 kW   |
| <b>Operating frequency 1 rated value</b>  | 50 Hz   |
| <b>Operating frequency 2 rated value</b>  | 60 Hz   |
| <b>relative negative tolerance of the operating frequency</b>   | -10 %   |
| <b>relative positive tolerance of the operating frequency</b>   | 10 %  |
| <b>minimum load [%]</b>   | 10 %; Relative to set le  |
| <b>power loss [W] for rated value of the current at AC</b>  |   |
| <ul style="list-style-type: none"> <li>• at 40 °C after startup</li> <li>• at 50 °C after startup</li> <li>• at 60 °C after startup</li> </ul>  | 8 W<br>7 W<br>6 W   |
| <b>power loss [W] at AC at current limitation 350 %</b>   |   |
| <ul style="list-style-type: none"> <li>• at 40 °C during startup</li> <li>• at 50 °C during startup</li> <li>• at 60 °C during startup</li> </ul>   | 364 W<br>309 W<br>262 W   |
| <b>type of the motor protection</b>   | Electronic, tripping in the event of thermal overload of the motor  |
| <b>Control circuit/ Control</b>   |   |
| <b>type of voltage of the control supply voltage</b>  | AC/DC   |
| <b>control supply voltage at AC</b>   |   |
| <ul style="list-style-type: none"> <li>• at 50 Hz rated value</li> <li>• at 60 Hz rated value</li> </ul>  | 24 V<br>24 V  |
| <b>relative negative tolerance of the control supply voltage at AC at 50 Hz</b>   | -20 %   |
| <b>relative positive tolerance of the control supply voltage at AC at 50 Hz</b>   | 20 %  |

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| 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                       | 420 mA   |
| holding current in bypass operation rated value                          | 820 mA   |
| inrush current by closing the bypass contacts maximum                    | 0.91 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 (I <sub>cu</sub> =1 kA), 6 A quick-acting fuse (I <sub>cu</sub> =1 kA), C1 miniature circuit breaker (I <sub>cu</sub> = 600 A), C6 miniature circuit breaker (I <sub>cu</sub> = 300 A); Is not part of scope of supply |

#### Inputs/ Outputs

|   |   |
|---|---|
| number of digital inputs  | 4   |
| <ul style="list-style-type: none"> <li>parameterizable</li> </ul>                               | 4   |
| <ul style="list-style-type: none"> <li>number of digital outputs</li> </ul>                     | 4   |
| <ul style="list-style-type: none"> <li>number of digital outputs parameterizable</li> </ul>     | 3   |
| <ul style="list-style-type: none"> <li>number of digital outputs not parameterizable</li> </ul> | 1   |
| digital output version  | 3 normally-open contacts (NO) / 1 changeover contact (CO) |
| number of analog outputs  | 1   |
| switching capacity current of the relay outputs   |   |
| <ul style="list-style-type: none"> <li>at AC-15 at 250 V rated value</li> </ul>                 | 3 A   |
| <ul style="list-style-type: none"> <li>at DC-13 at 24 V rated value</li> </ul>                  | 1 A   |

#### Installation/ mounting/ dimensions

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| mounting position   | Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) |
| fastening method  | screw fixing   |
| height  | 275 mm   |
| width   | 170 mm   |
| depth   | 152 mm   |
| required spacing with side-by-side mounting                   |  |
| <ul style="list-style-type: none"> <li>forwards</li> </ul>    | 10 mm  |
| <ul style="list-style-type: none"> <li>backwards</li> </ul>   | 0 mm   |
| <ul style="list-style-type: none"> <li>upwards</li> </ul>     | 100 mm   |
| <ul style="list-style-type: none"> <li>downwards</li> </ul>   | 75 mm  |
| <ul style="list-style-type: none"> <li>at the side</li> </ul> | 5 mm   |
| weight without packaging                                      | 2.3 kg   |

#### Connections/ Terminals

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| type of electrical connection   |  |
| <ul style="list-style-type: none"> <li>for main current circuit</li> </ul>                                  | screw-type terminals   |
| <ul style="list-style-type: none"> <li>for control circuit</li> </ul>                                       | spring-loaded terminals  |
| wire length for thermistor connection   |  |
| <ul style="list-style-type: none"> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul> | 50 m   |
| <ul style="list-style-type: none"> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul> | 150 m  |
| <ul style="list-style-type: none"> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul> | 250 m  |
| type of connectable conductor cross-sections  |  |
| <ul style="list-style-type: none"> <li>for main contacts</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>— solid</li> </ul>   | 2x (1.0 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )  |
| <ul style="list-style-type: none"> <li>— finely stranded with core end processing</li> </ul>                | 2x (1.0 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6.0 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>for AWG cables for main current circuit solid</li> </ul>             | 2x (16 ... 12), 2x (14 ... 8)  |
| type of connectable conductor cross-sections  |  |

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| <ul style="list-style-type: none"> <li>• for control circuit solid</li> </ul>  | 2x (0.25 ... 1.5 mm <sup>2</sup> )   |
| <ul style="list-style-type: none"> <li>• for control circuit finely stranded with core end processing</li> </ul>   | 2x (0.25 ... 1.5 mm <sup>2</sup> )   |
| <ul style="list-style-type: none"> <li>• for AWG cables for control circuit solid</li> </ul>   | 2x (24 ... 16)   |
| <ul style="list-style-type: none"> <li>• for AWG cables for control circuit finely stranded with core end processing</li> </ul>  | 2x (24 ... 16)   |
| <b>wire length</b>   |  |
| <ul style="list-style-type: none"> <li>• between soft starter and motor maximum</li> </ul>   | 800 m  |
| <ul style="list-style-type: none"> <li>• at the digital inputs at DC maximum</li> </ul>  | 1 000 m  |
| <b>tightening torque</b>   |  |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> </ul>  | 2 ... 2.5 N·m  |
| <ul style="list-style-type: none"> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>   | 0.8 ... 1.2 N·m  |
| <b>tightening torque [lbf·in]</b>  |  |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> </ul>  | 18 ... 22 lbf·in   |
| <ul style="list-style-type: none"> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>   | 7 ... 10.3 lbf·in  |
| <b>Ambient conditions</b>  |  |
| installation altitude at height above sea level maximum  | 5 000 m; Derating as of 1000 m, see catalog  |
| <b>ambient temperature</b>   |  |
| <ul style="list-style-type: none"> <li>• during operation</li> </ul>   | -25 ... +60 °C; Please observe derating at temperatures of 40 °C or above  |
| <ul style="list-style-type: none"> <li>• during storage and transport</li> </ul>   | -40 ... +80 °C   |
| <b>environmental category</b>  |  |
| <ul style="list-style-type: none"> <li>• during operation according to IEC 60721</li> </ul>  | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  |
| <ul style="list-style-type: none"> <li>• during storage according to IEC 60721</li> </ul>  | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  |
| <ul style="list-style-type: none"> <li>• during transport according to IEC 60721</li> </ul>  | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |
| <b>Environmental footprint</b>   |  |
| global warming potential [CO2 eq] total  | 285 kg   |
| global warming potential [CO2 eq] during manufacturing   | 50.8 kg  |
| global warming potential [CO2 eq] during sales   | 0.827 kg   |
| global warming potential [CO2 eq] during operation   | 240 kg   |
| global warming potential [CO2 eq] after end of life  | -7.11 kg   |
| Siemens Eco Profile (SEP)  | Siemens EcoTech  |
| <b>Electromagnetic compatibility</b>   |  |
| <b>EMC emitted interference</b>  | acc. to IEC 60947-4-2: Class A   |
| <b>Communication/ Protocol</b>   |  |
| <b>communication module is supported</b>   |  |
| <ul style="list-style-type: none"> <li>• PROFINET standard</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>• PROFINET high-feature</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>• EtherNet/IP</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>• Modbus RTU</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• Modbus TCP</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>• PROFIBUS</li> </ul>   | Yes  |
| <b>UL/CSA ratings</b>  |  |
| <b>manufacturer's article number</b>   |  |
| <ul style="list-style-type: none"> <li>• of circuit breaker usable for Standard Faults <ul style="list-style-type: none"> <li>— at 460/480 V according to UL</li> <li>— 60/480 V according to UL</li> <li>— at 460/480 V at inside-delta circuit according to UL</li> <li>— 60/480 V at inside-delta circuit according to UL</li> <li>— at 575/600 V according to UL</li> <li>— 75/600 V at inside-delta circuit according to UL</li> <li>— at 575/600 V at inside-delta circuit according to UL</li> </ul> </li> <li>• of the fuse <ul style="list-style-type: none"> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul> </li> </ul> | <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</p> <p>Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA</p> <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</p> <p>Siemens type: 3VA51, max. 60 A; Iq max = 65 kA</p> <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</p> <p>Siemens type: 3VA51, max. 60 A; Iq max = 65 kA</p> <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA</p> <p>Type: Class RK5 / K5, max. 100 A; Iq = 5 kA</p> <p>Type: Class J / L, max. 100 A; Iq = 100 kA</p> <p>Type: Class RK5 / K5, max. 100 A; Iq = 5 kA</p> <p>Type: Class J / L, max. 100 A; Iq = 100 kA</p> |

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| <b>operating power [hp] for 3-phase motors</b>              |        |
| • at 200/208 V at 50 °C rated value                         | 5 hp   |
| • at 220/230 V at 50 °C rated value                         | 7.5 hp |
| • at 460/480 V at 50 °C rated value                         | 15 hp  |
| • at 200/208 V at inside-delta circuit at 50 °C rated value | 10 hp  |
| • at 220/230 V at inside-delta circuit at 50 °C rated value | 10 hp  |
| • at 460/480 V at inside-delta circuit at 50 °C rated value | 25 hp  |

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| <b>contact rating of auxiliary contacts according to UL</b> | R300-B300 |
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**Electrical Safety**

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| <b>protection class IP on the front according to IEC 60529</b> | IP20 |
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| <b>touch protection on the front according to IEC 60529</b> | finger-safe, for vertical contact from the front |
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**ATEX**

|   |       |
|---|-------|
| <b>Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX</b> | SIL 1 |
|---|-------|

|   |          |
|---|----------|
| <b>PFHD with high demand rate according to IEC 61508 relating to ATEX</b> | 5E-7 1/h |
|---|----------|

|  |       |
|--|-------|
| <b>PFDAvg with low demand rate according to IEC 61508 relating to ATEX</b> | 0.008 |
|--|-------|

|   |   |
|---|---|
| <b>hardware fault tolerance according to IEC 61508 relating to ATEX</b> | 0 |
|---|---|

|   |     |
|---|-----|
| <b>T1 value for proof test interval or service life according to IEC 61508 relating to ATEX</b> | 3 a |
|---|-----|

|  |                     |
|--|---------------------|
| <b>certificate of suitability</b>        |                     |
| • ATEX                                   | Yes                 |
| • IECEx                                  | Yes                 |
| • according to ATEX directive 2014/34/EU | BVS 18 ATEX F 003 X |

|  |  |
|--|--|
| <b>type of protection according to ATEX directive 2014/34/EU</b> | 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] |
|--|--|

**Approvals Certificates**

|                                 |     |
|---------------------------------|-----|
| <b>General Product Approval</b> | EMV |
|---------------------------------|-----|



|            |                                       |                          |                             |
|------------|---------------------------------------|--------------------------|-----------------------------|
| <b>EMV</b> | <b>For use in hazardous locations</b> | <b>Test Certificates</b> | <b>Maritime application</b> |
|------------|---------------------------------------|--------------------------|-----------------------------|

[KC](#)



[Type Test Certificates/Test Report](#)



|                             |              |                    |
|-----------------------------|--------------|--------------------|
| <b>Maritime application</b> | <b>other</b> | <b>Environment</b> |
|-----------------------------|--------------|--------------------|



[Confirmation](#)



**Environment**

[Environmental Confirmations](#)

**Further information**

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information for data generation and storage  
<https://support.industry.siemens.com/cs/ww/en/view/109995012>  
 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=3RW5515-3HA04>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5515-3HA04>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5515-3HA04>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW5515-3HA04&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5515-3HA04&lang=en)

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

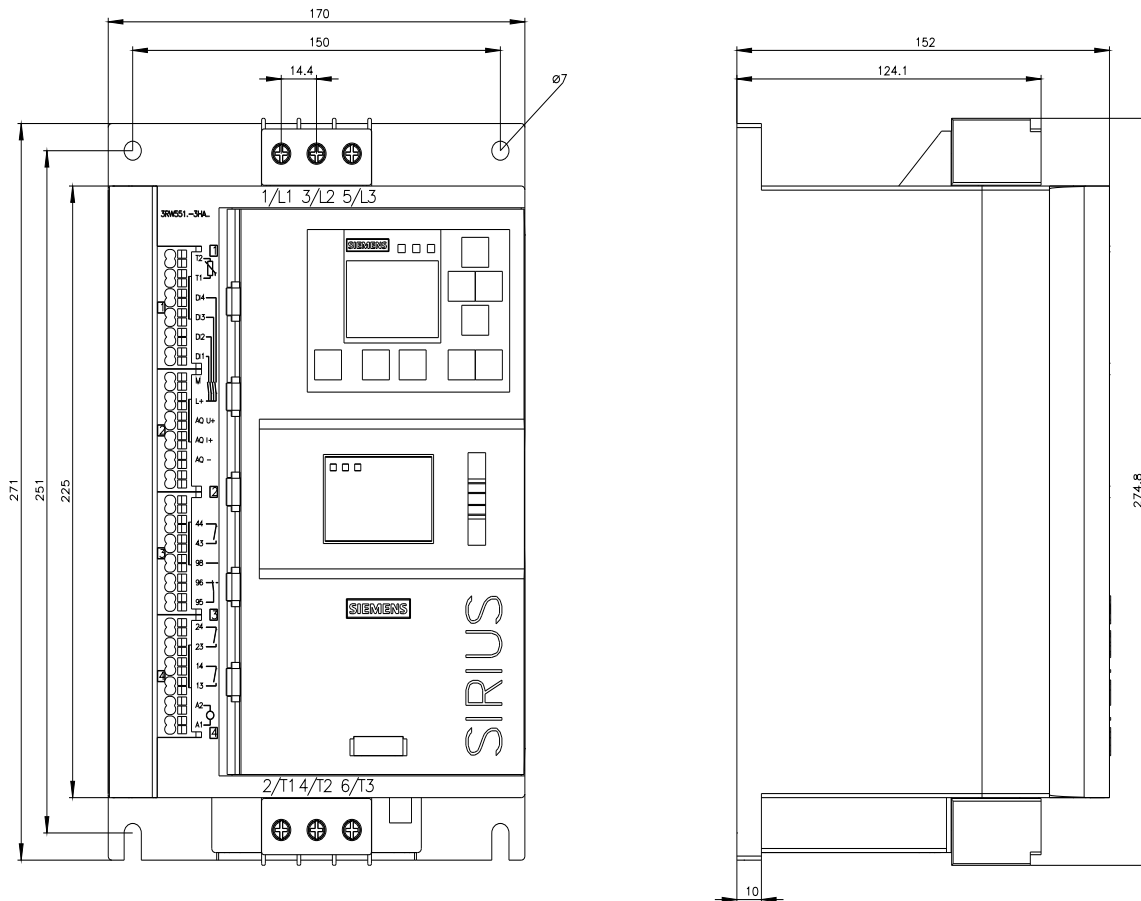
<https://support.industry.siemens.com/cs/ww/en/ps/3RW5515-3HA04/char>

Characteristic: Installation altitude

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5515-3HA04&objecttype=14&gridview=view1>

Simulation Tool for Soft Starters (STS)

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





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