



SIRIUS soft starter 200-600 V 47 A, 24 V AC/DC spring-type terminals Thermistor input

|   |   |
|---|---|
| <b>product brand name</b>   | SIRIUS  |
| <b>product category</b>   | Hybrid switching devices  |
| <b>product designation</b>  | Soft starter  |
| <b>product type designation</b>   | 3RW52   |
| <b>manufacturer's article number</b>  |   |
| <ul style="list-style-type: none"> <li>• of standard HMI module usable</li> <li>• of high feature HMI module usable</li> <li>• of communication module PROFINET standard 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="#">3RW5980-0HS00</a></li> <li><a href="#">3RW5980-0HF00</a></li> <li><a href="#">3RW5980-0CS00</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="#">3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li> <li><a href="#">3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10</a></li> <li><a href="#">3NA3824-6; Type of coordination 1, Iq = 65 kA</a></li> <li><a href="#">3NA3824-6; Type of coordination 1, Iq = 65 kA</a></li> <li><a href="#">3NE1021-2; Type of coordination 2, Iq = 65 kA</a></li> <li><a href="#">3NE8024-1; Type of coordination 2, Iq = 65 kA</a></li> </ul> |

| General technical data   |   |
|--|---|
| <b>starting voltage [%]</b>  | 30 ... 100 %  |
| <b>stopping voltage [%]</b>  | 50 %; non-adjustable  |
| <b>start-up ramp time of soft starter</b>  | 0 ... 20 s  |
| <b>current limiting value [%] adjustable</b>   | 130 ... 700 %   |
| <b>certificate of suitability</b>  |   |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• CSA approval</li> </ul>                                      | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul> |
| <b>product component</b>   |   |
| <ul style="list-style-type: none"> <li>• HMI-High Feature</li> <li>• is supported HMI-Standard</li> <li>• is supported HMI-High Feature</li> </ul> | <ul style="list-style-type: none"> <li>No</li> <li>Yes</li> <li>Yes</li> </ul>  |
| <b>product feature integrated bypass contact system</b>  | Yes   |
| <b>number of controlled phases</b>   | 3   |

|  |   |
|--|---|
| <b>buffering time in the event of power failure</b>          |   |
| • for main current circuit                                   | 100 ms  |
| • for control circuit  | 100 ms  |
| <b>insulation voltage rated value</b>                        | 600 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>             | 1 800 V   |
| <b>service factor</b>  | 1   |
| <b>surge voltage resistance rated value</b>                  | 6 kV  |
| <b>maximum permissible voltage for protective separation</b> |   |
| • between main and auxiliary circuit                         | 600 V   |
| <b>shock resistance</b>                                      | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting  |
| <b>vibration resistance</b>                                  | 15 mm to 6 Hz; 2 g to 500 Hz  |
| utilization category according to IEC 60947-4-2              | AC 53a  |
| <b>reference code according to IEC 81346-2</b>               | Q   |
| <b>Substance Prohibitance (day/month/year)</b>               | 02/15/2018  |
| <b>SVHC substance name</b>                                   | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol CAS-No. 79-94-7<br>2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5<br>Melamine CAS-No. 108-78-1<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1<br>Dibutylbis(pentane-2,4-dionato-O,O')tin CAS-No. 22673-19-4 |
| <b>Net Weight</b>  | 6.059 kg  |
| <b>product function</b>                                      |   |
| • ramp-up (soft starting)                                    | Yes   |
| • soft stopping  | Yes   |
| • Soft Torque  | Yes   |
| • adjustable current limitation                              | Yes   |
| • pump stop  | 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 Klaxon / 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   |
| • <b>PROFInergy</b>  | Yes; in connection with the PROFINET Standard communication module  |
| • <b>firmware update</b>                                     | Yes   |
| • <b>removable terminal for control circuit</b>              | Yes   |
| • torque control   | No  |
| • analog output  | No  |
| <b>Power Electronics</b>                                     |   |
| <b>operational current</b>                                   |   |
| • at 40 °C rated value                                       | 47 A  |
| • at 50 °C rated value                                       | 41.6 A  |
| • at 60 °C rated value                                       | 36.2 A  |
| <b>operational current at inside-delta circuit</b>           |   |
| • at 40 °C rated value                                       | 81.4 A  |
| • at 50 °C rated value                                       | 72 A  |
| • at 60 °C rated value                                       | 62.7 A  |
| <b>operating voltage</b>                                     |   |
| • rated value  | 200 ... 600 V   |
| • at inside-delta circuit rated value                        | 200 ... 600 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>   |         |
| • at 230 V at 40 °C rated value   | 11 kW   |
| • at 230 V at inside-delta circuit at 40 °C rated value                             | 22 kW   |
| • at 400 V at 40 °C rated value   | 22 kW   |
| • at 400 V at inside-delta circuit at 40 °C rated value                             | 45 kW   |
| • at 500 V at 40 °C rated value   | 30 kW   |
| • at 500 V at inside-delta circuit at 40 °C rated value                             | 45 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>adjustable motor current</b>   |         |
| • at rotary coding switch on switch position 1                                      | 20 A    |
| • at rotary coding switch on switch position 2                                      | 21.8 A  |
| • at rotary coding switch on switch position 3                                      | 23.6 A  |
| • at rotary coding switch on switch position 4                                      | 25.4 A  |
| • at rotary coding switch on switch position 5                                      | 27.2 A  |
| • at rotary coding switch on switch position 6                                      | 29 A    |
| • at rotary coding switch on switch position 7                                      | 30.8 A  |
| • at rotary coding switch on switch position 8                                      | 32.6 A  |
| • at rotary coding switch on switch position 9                                      | 34.4 A  |
| • at rotary coding switch on switch position 10                                     | 36.2 A  |
| • at rotary coding switch on switch position 11                                     | 38 A    |
| • at rotary coding switch on switch position 12                                     | 39.8 A  |
| • at rotary coding switch on switch position 13                                     | 41.6 A  |
| • at rotary coding switch on switch position 14                                     | 43.4 A  |
| • at rotary coding switch on switch position 15                                     | 45.2 A  |
| • at rotary coding switch on switch position 16                                     | 47 A    |
| • minimum   | 20 A    |
| <b>adjustable motor current</b>   |         |
| • for inside-delta circuit at rotary coding switch on switch position 1             | 34.6 A  |
| • for inside-delta circuit at rotary coding switch on switch position 2             | 37.8 A  |
| • for inside-delta circuit at rotary coding switch on switch position 3             | 40.9 A  |
| • for inside-delta circuit at rotary coding switch on switch position 4             | 44 A    |
| • for inside-delta circuit at rotary coding switch on switch position 5             | 47.1 A  |
| • for inside-delta circuit at rotary coding switch on switch position 6             | 50.2 A  |
| • for inside-delta circuit at rotary coding switch on switch position 7             | 53.3 A  |
| • for inside-delta circuit at rotary coding switch on switch position 8             | 56.5 A  |
| • for inside-delta circuit at rotary coding switch on switch position 9             | 59.6 A  |
| • for inside-delta circuit at rotary coding switch on switch position 10            | 62.7 A  |
| • for inside-delta circuit at rotary coding switch on switch position 11            | 65.8 A  |
| • for inside-delta circuit at rotary coding switch on switch position 12            | 68.9 A  |
| • for inside-delta circuit at rotary coding switch on switch position 13            | 72.09 A |
| • for inside-delta circuit at rotary coding switch on switch position 14            | 75.2 A  |

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| <ul style="list-style-type: none"> <li>• for inside-delta circuit at rotary coding switch on switch position 15</li> </ul> | 78.3 A   |
| <ul style="list-style-type: none"> <li>• for inside-delta circuit at rotary coding switch on switch position 16</li> </ul> | 81.4 A   |
| <ul style="list-style-type: none"> <li>• at inside-delta circuit minimum</li> </ul>  | 34.6 A   |
| <b>minimum load [%]</b>  | 15 %; Relative to smallest settable I <sub>e</sub>   |
| <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> </ul>   | 26 W   |
| <ul style="list-style-type: none"> <li>• at 50 °C after startup</li> </ul>   | 24 W   |
| <ul style="list-style-type: none"> <li>• at 60 °C after startup</li> </ul>   | 23 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> </ul>  | 606 W  |
| <ul style="list-style-type: none"> <li>• at 50 °C during startup</li> </ul>  | 522 W  |
| <ul style="list-style-type: none"> <li>• at 60 °C during startup</li> </ul>  | 438 W  |
| <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> </ul>   | 24 V   |
| <ul style="list-style-type: none"> <li>• at 60 Hz rated value</li> </ul>   | 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 %   |
| <b>relative negative tolerance of the control supply voltage at AC at 60 Hz</b>  | -20 %  |
| <b>relative positive tolerance of the control supply voltage at AC at 60 Hz</b>  | 20 %   |
| <b>control supply voltage frequency</b>  | 50 ... 60 Hz   |
| <b>relative negative tolerance of the control supply voltage frequency</b>   | -10 %  |
| <b>relative positive tolerance of the control supply voltage frequency</b>   | 10 %   |
| <b>control supply voltage at DC rated value</b>  | 24 V   |
| <b>relative negative tolerance of the control supply voltage at DC</b>   | -20 %  |
| <b>relative positive tolerance of the control supply voltage at DC</b>   | 20 %   |
| <b>control supply current in standby mode rated value</b>  | 160 mA   |
| <b>holding current in bypass operation rated value</b>   | 380 mA   |
| <b>inrush current by closing the bypass contacts maximum</b>   | 7.6 A  |
| <b>inrush current peak at application of control supply voltage maximum</b>  | 3.3 A  |
| <b>duration of inrush current peak at application of control supply voltage</b>  | 12.1 ms  |
| <b>design of the overvoltage protection</b>  | Varistor   |
| <b>design of short-circuit protection for control circuit</b>  | 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 |
| <b>Inputs/ Outputs</b>   |  |
| <b>number of digital inputs</b>  | 1  |
| <b>number of digital outputs</b>   | 3  |
| <ul style="list-style-type: none"> <li>• not parameterizable</li> </ul>  | 2  |
| <b>digital output version</b>  | 2 normally-open contacts (NO) / 1 changeover contact (CO)  |
| <b>number of analog outputs</b>  | 0  |
| <b>switching capacity current of the relay outputs</b>   |  |
| <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  |
| <b>Installation/ mounting/ dimensions</b>  |  |
| <b>mounting position</b>   | +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface   |
| <b>fastening method</b>  | screw fixing   |
| <b>height</b>  | 306 mm   |
| <b>width</b>   | 185 mm   |

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|---|--|
| <b>depth</b>  | 203 mm   |
| required spacing with side-by-side mounting   |  |
| <ul style="list-style-type: none"> <li>• forwards</li> <li>• backwards</li> <li>• upwards</li> <li>• downwards</li> <li>• at the side</li> </ul>  | 10 mm<br>0 mm<br>100 mm<br>75 mm<br>5 mm   |
| <b>weight without packaging</b>   | 5.2 kg   |
| <b>Connections/ Terminals</b>   |  |
| <b>type of electrical connection</b>  |  |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for control circuit</li> </ul>   | box terminal<br>spring-loaded terminals  |
| <b>width of connection bar maximum</b>  | 25 mm  |
| <b>wire length for thermistor connection</b>  |  |
| <ul style="list-style-type: none"> <li>• with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> <li>• with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> <li>• with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>   | 50 m<br>150 m<br>250 m   |
| <b>type of connectable conductor cross-sections for main contacts for box terminal</b>  |  |
| <ul style="list-style-type: none"> <li>• using the front clamping point solid</li> <li>• using the front clamping point finely stranded with core end processing</li> <li>• using the front clamping point stranded</li> <li>• using the back clamping point solid</li> <li>• r box terminal using the back clamping point</li> <li>• using both clamping points solid</li> <li>• using both clamping points finely stranded with core end processing</li> <li>• using both clamping points stranded</li> <li>• using the back clamping point finely stranded with core end processing</li> <li>• using the back clamping point stranded</li> </ul> | 1x (2.5 ... 16 mm <sup>2</sup> )<br>1x (2.5 ... 50 mm <sup>2</sup> )<br>1x (10 ... 70 mm <sup>2</sup> )<br>1x (2.5 ... 16 mm <sup>2</sup> )<br>1x (10 ... 2/0)<br>2x (2.5 ... 16 mm <sup>2</sup> )<br>2x (2.5 ... 35 mm <sup>2</sup> )<br>2x (6 ... 16 mm <sup>2</sup> ), 2x (10 ... 50 mm <sup>2</sup> )<br>1x (2.5 ... 50 mm <sup>2</sup> )<br>1x (10 ... 70 mm <sup>2</sup> ) |
| <b>type of connectable conductor cross-sections</b>   |  |
| <ul style="list-style-type: none"> <li>• for control circuit solid</li> <li>• for control circuit finely stranded with core end processing</li> <li>• for AWG cables for control circuit solid</li> <li>• for AWG cables for control circuit finely stranded with core end processing</li> </ul>  | 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (24 ... 16)<br>2x (24 ... 16)   |
| <b>wire length</b>  |  |
| <ul style="list-style-type: none"> <li>• between soft starter and motor maximum</li> <li>• at the digital inputs at AC maximum</li> <li>• at the digital inputs at DC maximum</li> </ul>  | 800 m<br>100 m<br>1 000 m  |
| <b>tightening torque</b>  |  |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>   | 4.5 ... 6 N·m<br>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> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>   | 40 ... 53 lbf·in<br>7 ... 10.3 lbf·in  |
| <b>Ambient conditions</b>   |  |
| installation altitude at height above sea level maximum   | 5 000 m  |
| <b>ambient temperature</b>  |  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage and transport</li> </ul>  | -25 ... +60 °C; Please observe derating at temperatures of 40 °C or above<br>-40 ... +80 °C  |
| <b>environmental category</b>   |  |
| <ul style="list-style-type: none"> <li>• during operation according to IEC 60721</li> <li>• during storage according to IEC 60721</li> <li>• during transport 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<br>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4<br>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |

**Electromagnetic compatibility**

**EMC emitted interference** acc. to IEC 60947-4-2: Class A

**Communication/ Protocol**

|  |     |
|--|-----|
| <b>communication module is supported</b> |     |
| • PROFINET standard                      | Yes |
| • EtherNet/IP                            | Yes |
| • Modbus RTU                             | Yes |
| • Modbus TCP                             | Yes |
| • PROFIBUS                               | Yes |

**UL/CSA ratings**

|  |  |
|--|--|
| <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>— 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> | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; Iq = 5 kA<br>Siemens type: 3VA51, max. 60 A; Iq max = 65 kA<br>Siemens type: 3VA51, max. 90 A; Iq = 5 kA<br>Siemens type: 3VA51, max. 60 A; Iq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; Iq = 5 kA<br>Siemens type: 3VA51, max. 90 A; Iq = 5 kA<br><br>Type: Class RK5 / K5, max. 175 A; Iq = 5 kA<br><br>Type: Class J / L, max. 175 A; Iq = 100 kA<br><br>Type: Class RK5 / K5, max. 175 A; Iq = 5 kA<br><br>Type: Class J / L, max. 175 A; Iq = 100 kA |

|  |  |
|--|--|
| <b>operating power [hp] for 3-phase motors</b>   |  |
| <ul style="list-style-type: none"> <li>• at 200/208 V at 50 °C rated value</li> <li>• at 220/230 V at 50 °C rated value</li> <li>• at 460/480 V at 50 °C rated value</li> <li>• at 575/600 V at 50 °C rated value</li> <li>• at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>• at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>• at 460/480 V at inside-delta circuit at 50 °C rated value</li> <li>• at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul> | 10 hp<br>10 hp<br>30 hp<br>40 hp<br>20 hp<br>25 hp<br>50 hp<br>60 hp |

**contact rating of auxiliary contacts according to UL** R300-B300

**Electrical Safety**

**protection class IP on the front according to IEC 60529** IP00; IP20 with cover

**touch protection on the front according to IEC 60529** finger-safe, for vertical contact from the front with cover

**Approvals Certificates**

|  |  |
|--|--|
| <b>Environmental Product Declaration</b>   |  |
| <ul style="list-style-type: none"> <li>• global warming potential [CO2 eq] / during manufacturing</li> <li>• global warming potential [CO2 eq] / during sales</li> <li>• global warming potential [CO2 eq] / during operation</li> <li>• global warming potential [CO2 eq] / after end of life</li> <li>• global warming potential [CO2 eq] / total</li> </ul> | 67.7 kg<br>1.84 kg<br>242 kg<br>-15.7 kg<br>296 kg |

**Environment** **General Product Approval**

[Environmental Con-  
firmations](#)



**General Product Approval** **EMV** **Test Certificates** **Maritime application**



[Type Test Certificates/Test Report](#)



**Maritime application****other**[Confirmation](#)[Confirmation](#)**other****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=3RW5224-3TC05>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3TC05>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW5224-3TC05&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5224-3TC05&lang=en)**Cax online generator**<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5224-3TC05>**Characteristic curves**[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)**Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current**<https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3TC05/char>**Characteristic: Installation altitude**[https://www.automation.siemens.com/bilddb/index.aspx?gridview=view2&objkey=G\\_NSB0\\_XX\\_01704&showdetail=true&view=Search](https://www.automation.siemens.com/bilddb/index.aspx?gridview=view2&objkey=G_NSB0_XX_01704&showdetail=true&view=Search)**Simulation Tool for Soft Starters (STS)**<https://support.industry.siemens.com/cs/ww/en/view/101494917>





