## SIEMENS

## Data sheet

## 3RW5245-6TC04



SIRIUS soft starter 200-480 V 315 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   |   |  |  |  |  |
| <ul> <li>of standard HMI module usable</li> </ul>   | <u>3RW5980-0HS00</u>  |  |  |  |  |
| <ul> <li>of high feature HMI module usable</li> </ul>   | <u>3RW5980-0HF00</u>  |  |  |  |  |
| <ul> <li>of communication module PROFINET standard<br/>usable</li> </ul>                          | <u>3RW5980-0CS00</u>  |  |  |  |  |
| <ul> <li>of communication module PROFIBUS usable</li> </ul>                                       | <u>3RW5980-0CP00</u>  |  |  |  |  |
| <ul> <li>of communication module Modbus TCP usable</li> </ul>                                     | <u>3RW5980-0CT00</u>  |  |  |  |  |
| <ul> <li>of communication module Modbus RTU usable</li> </ul>                                     | <u>3RW5980-0CR00</u>  |  |  |  |  |
| <ul> <li>of communication module Ethernet/IP</li> </ul>   | <u>3RW5980-0CE00</u>  |  |  |  |  |
| <ul> <li>of circuit breaker usable at 400 V</li> </ul>  | 3VA2440-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10        |  |  |  |  |
| <ul> <li>of circuit breaker usable at 500 V</li> </ul>  | 3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10        |  |  |  |  |
| <ul> <li>of circuit breaker usable at 400 V at inside-delta<br/>circuit</li> </ul>                | 3VA2580-6HN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10        |  |  |  |  |
| <ul> <li>of circuit breaker usable at 500 V at inside-delta<br/>circuit</li> </ul>                | <u>3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u> |  |  |  |  |
| <ul> <li>of the gG fuse usable up to 690 V</li> </ul>   | 2x3NA3365-6; Type of coordination 1, Iq = 65 kA                         |  |  |  |  |
| <ul> <li>of the gG fuse usable at inside-delta circuit up to<br/>500 V</li> </ul>                 | 2x3NA3365-6; Type of coordination 1, Iq = 65 kA                         |  |  |  |  |
| <ul> <li>of full range R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul> | <u>3NE1334-2: Type of coordination 2, Iq = 65 kA</u>                    |  |  |  |  |
| <ul> <li>of back-up R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul>    | <u>3NE3336; Type of coordination 2, Iq = 65 kA</u>                      |  |  |  |  |
| eneral technical data   |   |  |  |  |  |
| starting voltage [%]  | 30 100 %  |  |  |  |  |
| stopping voltage [%]  | 50 50 %   |  |  |  |  |
| 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 is supported  |   |  |  |  |  |
| HMI-Standard  | Yes   |  |  |  |  |
| HMI-High Feature  | Yes   |  |  |  |  |
| product feature integrated bypass contact system  | Yes   |  |  |  |  |

| number of controlled phases                                   | 3   |  |  |  |  |
|---|---|--|--|--|--|
| trip class  | 3<br>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                                |   |  |  |  |  |
| degree of pollution   | 600 V<br>3 acc to IEC 60947.4-2   |  |  |  |  |
| impulse voltage rated value                                   | 3, acc. to IEC 60947-4-2<br>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  | 600 V   |  |  |  |  |
| vibration resistance  | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting                                    |  |  |  |  |
| utilization category acc. to IEC 60947-4-2                    | 15 mm to 6 Hz; 2g to 500 Hz<br>AC 53a   |  |  |  |  |
| reference code acc. to IEC 81346-2                            | Q   |  |  |  |  |
| Substance Prohibitance (Date)                                 | 15.02.2018 00:00:00   |  |  |  |  |
| product function  |   |  |  |  |  |
| • ramp-up (soft starting)                                     | Yes   |  |  |  |  |
| • ramp-down (soft stop)                                       | Yes   |  |  |  |  |
| Soft Torque   | Yes   |  |  |  |  |
| adjustable current limitation                                 | Yes   |  |  |  |  |
| -   | Yes   |  |  |  |  |
| pump ramp down     intrinsis dovise protection                |   |  |  |  |  |
| intrinsic device protection                                   | Yes   |  |  |  |  |
| <ul> <li>motor overload protection</li> </ul>                 | Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) |  |  |  |  |
| <ul> <li>evaluation of thermistor motor protection</li> </ul> | Yes; Type A PTC or Klixon / Thermoclick   |  |  |  |  |
| <ul> <li>inside-delta circuit</li> </ul>                      | Yes   |  |  |  |  |
| auto-RESET  | Yes   |  |  |  |  |
| manual RESET  | Yes   |  |  |  |  |
| remote reset  | Yes; By turning off the control supply voltage  |  |  |  |  |
| <ul> <li>communication function</li> </ul>                    | Yes   |  |  |  |  |
| <ul> <li>operating measured value display</li> </ul>          | Yes; Only in conjunction with special accessories   |  |  |  |  |
| <ul> <li>error logbook</li> </ul>                             | Yes; Only in conjunction with special accessories   |  |  |  |  |
| <ul> <li>via software parameterizable</li> </ul>              | No  |  |  |  |  |
| <ul> <li>via software configurable</li> </ul>                 | Yes   |  |  |  |  |
| PROFlenergy   | Yes; in connection with the PROFINET Standard communication module                                |  |  |  |  |
| firmware update   | Yes   |  |  |  |  |
| <ul> <li>removable terminal for control circuit</li> </ul>    | Yes   |  |  |  |  |
| torque control  | No  |  |  |  |  |
| <ul> <li>analog output</li> </ul>                             | No  |  |  |  |  |
| Power Electronics   |   |  |  |  |  |
| operational current   |   |  |  |  |  |
| • at 40 °C rated value  | 315 A   |  |  |  |  |
| • at 50 °C rated value  | 279 A   |  |  |  |  |
| • at 60 °C rated value  | 255 A   |  |  |  |  |
| operational current at inside-delta circuit                   |   |  |  |  |  |
| <ul> <li>at 40 °C rated value</li> </ul>                      | 546 A   |  |  |  |  |
| • at 50 °C rated value  | 483 A   |  |  |  |  |
| • at 60 °C rated value  | 442 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 negative tolerance of the operating voltage at       | -15 %   |  |  |  |  |
| inside-delta circuit  |   |  |  |  |  |
|   |   |  |  |  |  |

| relative positive tolerance of the operating voltage at inside-delta circuit  | 10 %   |
|---|--------|
| operating power for 3-phase motors  |        |
| <ul> <li>at 230 V at 40 °C rated value</li> </ul>   | 90 kW  |
| <ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>   | 160 kW |
| <ul> <li>at 400 V at 40 °C rated value</li> </ul>   | 160 kW |
| <ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>   | 315 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  |        |
| <ul> <li>at rotary coding switch on switch position 1</li> </ul>  | 135 A  |
| <ul> <li>at rotary coding switch on switch position 2</li> </ul>  | 147 A  |
| <ul> <li>at rotary coding switch on switch position 3</li> </ul>  | 159 A  |
| <ul> <li>at rotary coding switch on switch position 4</li> </ul>  | 171 A  |
| <ul> <li>at rotary coding switch on switch position 5</li> </ul>  | 183 A  |
| <ul> <li>at rotary coding switch on switch position 6</li> </ul>  | 195 A  |
| <ul> <li>at rotary coding switch on switch position 7</li> </ul>  | 207 A  |
| <ul> <li>at rotary coding switch on switch position 8</li> </ul>  | 219 A  |
| • at rotary coding switch on switch position 9  | 231 A  |
| at rotary coding switch on switch position 10   | 243 A  |
| <ul> <li>at rotary coding switch on switch position 11</li> </ul>   | 255 A  |
| <ul> <li>at rotary coding switch on switch position 12</li> </ul>   | 267 A  |
| <ul> <li>at rotary coding switch on switch position 13</li> </ul>   | 279 A  |
| <ul> <li>at rotary coding switch on switch position 14</li> </ul>   | 291 A  |
| <ul> <li>at rotary coding switch on switch position 15</li> </ul>   | 303 A  |
| <ul> <li>at rotary coding switch on switch position 16</li> </ul>   | 315 A  |
| • minimum   | 135 A  |
| adjustable motor current  |        |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 1</li> </ul>   | 234 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 2</li> </ul>   | 255 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 3</li> </ul>   | 275 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 4</li> </ul>   | 296 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 5</li> </ul>   | 317 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 6</li> </ul>   | 338 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 7</li> </ul>   | 359 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 8</li> </ul>   | 379 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 9</li> </ul>   | 400 A  |
| • for inside-delta circuit at rotary coding switch on switch position 10  | 421 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 11</li> </ul>  | 442 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 12</li> <li>for inside delta circuit at rotary coding switch on</li> </ul> | 462 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 13</li> <li>for inside delta circuit at rotary coding switch on</li> </ul> | 483 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 14</li> <li>for inside delta circuit at rotary coding switch on</li> </ul> | 504 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 15</li> <li>for inside delta circuit at rotary coding switch on</li> </ul> | 525 A  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 16</li> </ul>  | 546 A  |

| <ul> <li>at inside-delta circuit minimum</li> </ul>                         | 224 A  |  |  |  |  |
|---|--|--|--|--|--|
| • at inside-delta circuit minimum minimum load [%]                          | 234 A  |  |  |  |  |
| power loss [W] for rated value of the current at AC                         | 15 %; Relative to smallest settable le   |  |  |  |  |
| • at 40 °C after startup  | 107 \\/  |  |  |  |  |
| • at 50 °C after startup  | 107 W  |  |  |  |  |
|   | 96 W   |  |  |  |  |
| • at 60 °C after startup  | 89 W   |  |  |  |  |
| power loss [W] at AC at current limitation 350 %                            | E 250 M  |  |  |  |  |
| • at 40 °C during startup   | 5 350 W  |  |  |  |  |
| • at 50 °C during startup   | 4 471 W  |  |  |  |  |
| • at 60 °C during startup   | 3 934 W  |  |  |  |  |
| Control circuit/ Control  |  |  |  |  |  |
| type of voltage of the control supply voltage                               | AC/DC  |  |  |  |  |
| control supply voltage at AC  | 0414   |  |  |  |  |
| 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                             | 470 mA   |  |  |  |  |
| locked-rotor current at close of bypass contact                             | 7.6 A  |  |  |  |  |
| maximum   |  |  |  |  |  |
| inrush current peak at application of control supply voltage maximum        | 3.3 A  |  |  |  |  |
| duration of inrush current peak at application of control<br>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 inputs for thermistor connection                                  | ;<br>1; Type A PTC or Klixon / Thermoclick   |  |  |  |  |
| number of digital outputs   | 3  |  |  |  |  |
| not parameterizable   | 2  |  |  |  |  |
| digital output version  | 2 normally-open contacts (NO) / 1 changeover contact (CO)  |  |  |  |  |
| number of analog outputs  | 0  |  |  |  |  |
| switching capacity current of the relay outputs                             |  |  |  |  |  |
| at AC-15 at 250 V rated value   | 3 A  |  |  |  |  |
| • at DC-13 at 24 V rated value  | 1A   |  |  |  |  |
| Installation/ mounting/ dimensions  |  |  |  |  |  |
| 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                             | 203 mm  |  |  |  |  |
| • forwards  | 10 mm   |  |  |  |  |
| backwards   | 0 mm  |  |  |  |  |
| • upwards   | 100 mm  |  |  |  |  |
| downwards   | 75 mm   |  |  |  |  |
| • at the side   | 75 mm<br>5 mm   |  |  |  |  |
| weight without packaging  | 9.9 kg  |  |  |  |  |
| Connections/ Terminals  |   |  |  |  |  |
| type of electrical connection   |   |  |  |  |  |
| for main current circuit  | husbar connection   |  |  |  |  |
| for control circuit   | busbar connection<br>screw-type terminals   |  |  |  |  |
| width of connection bar maximum   | 45 mm   |  |  |  |  |
| wire length for thermistor connection                                   |   |  |  |  |  |
| with conductor cross-section = 0.5 mm <sup>2</sup> maximum              | 50 m  |  |  |  |  |
| • with conductor cross-section = 0.5 mm <sup>2</sup> maximum            | 150 m   |  |  |  |  |
| • with conductor cross-section = 2.5 mm <sup>2</sup> maximum            | 250 m   |  |  |  |  |
| type of connectable conductor cross-sections                            |   |  |  |  |  |
| for DIN cable lug for main contacts stranded                            | 2x (50 240 mm²)   |  |  |  |  |
| <ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul> | 2x (30 240 mm <sup>2</sup> )  |  |  |  |  |
| type of connectable conductor cross-sections                            |   |  |  |  |  |
| for control circuit solid   | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)  |  |  |  |  |
| <ul> <li>for control circuit finely stranded with core end</li> </ul>   | $1x (0.5 2.5 mm^2), 2x (0.5 2.5 mm^2)$  |  |  |  |  |
| processing  | 1x (0.5 2.5 mm), 2x (0.5 1.5 mm)  |  |  |  |  |
| <ul> <li>at AWG cables for control circuit solid</li> </ul>             | 1x (20 12), 2x (20 14)  |  |  |  |  |
| wire length   |   |  |  |  |  |
| <ul> <li>between soft starter and motor maximum</li> </ul>              | 800 m   |  |  |  |  |
| <ul> <li>at the digital inputs at AC maximum</li> </ul>                 | 100 m   |  |  |  |  |
| <ul> <li>at the digital inputs at DC maximum</li> </ul>                 | 1 000 m   |  |  |  |  |
| tightening torque   |   |  |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>         | 14 24 N·m   |  |  |  |  |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>  | 0.8 1.2 N·m   |  |  |  |  |
| terminals   |   |  |  |  |  |
| tightening torque [lbf·in]  |   |  |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>         | 124 210 lbf·in  |  |  |  |  |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>  | 7 10.3 lbf·in   |  |  |  |  |
| terminals   |   |  |  |  |  |
| Ambient conditions  |   |  |  |  |  |
| installation altitude at height above sea level maximum                 | 5 000 m; Derating as of 1000 m, see catalog   |  |  |  |  |
| ambient temperature   |   |  |  |  |  |
| during operation  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above   |  |  |  |  |
| <ul> <li>during storage and transport</li> </ul>                        | -40 +80 °C  |  |  |  |  |
| • during storage and transport     environmental category               |   |  |  |  |  |
|   | 3K6 (no ice formation, only occasional condensation), 3C3 (no colt  |  |  |  |  |
| <ul> <li>during operation acc. 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> <li>during storage acc. to IEC 60721</li> </ul>                    | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must  |  |  |  |  |
|   | not get inside the devices), 1M4  |  |  |  |  |
| <ul> <li>during transport acc. to IEC 60721</li> </ul>                  | 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 artic  |  |              |   |   |                     |                              |  |
|---|--|--------------|---|---|---------------------|------------------------------|--|
| <ul> <li>of circuit brea</li> </ul>   |  |              |   |   |                     |                              |  |
| <ul> <li>— usable for<br/>according to</li> </ul>   | Standard Faults at 460/4<br>UL                         | 80 V         | Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA                                |   |                     |                              |  |
| — usable for<br>to UL   | High Faults at 460/480 V                               | according    | Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA                            |   |                     |                              |  |
|   | Standard Faults at 460/4<br>circuit according to UL    | 80 V at      | Siemens type: 3\  | /A54, max.                                  | . 600 A; lq = 18 kA |                              |  |
|   | High Faults at 460/480 V<br>according to UL            | at inside-   | Siemens type: 3VA54, max. 600 A; lq max = 65 kA   |   |                     |                              |  |
| <ul> <li>— usable for<br/>according to</li> </ul>   | Standard Faults at 575/6<br>UL                         | V 00         | Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA                                |   |                     |                              |  |
|   | Standard Faults at 575/6                               | 00 V at      | Siemens type: 3   | Siemens type: 3VA54, max. 600 A; Iq = 18 kA |                     |                              |  |
| <ul> <li>of the fuse</li> </ul>   |  |              |   |   |                     |                              |  |
| <ul> <li>usable for<br/>according to</li> </ul>   | Standard Faults up to 57<br>UL                         | 5/600 V      | Type: Class J / L   | Type: Class J / L, max. 1000 A; lq = 18 kA  |                     |                              |  |
| <ul> <li>usable for<br/>according to</li> </ul>   | High Faults up to 575/600<br>UL                        | ) V          | Type: Class J / L   | , max. 100                                  | 0 A; lq = 100 kA    |                              |  |
|   | Standard Faults at inside<br>575/600 V according to UL |              | Type: Class J / L, max. 1000 A; Iq = 18 kA  |   |                     |                              |  |
|   | High Faults at inside-delt<br>according to UL          | a circuit up | Type: Class J / L   |   |                     |                              |  |
| operating power [hp   | o] for 3-phase motors                                  |              |   |   |                     |                              |  |
| • at 200/208 V at   | t 50 °C rated value                                    |              | 75 hp   |   |                     |                              |  |
| <ul> <li>at 220/230 V at</li> </ul>   | t 50 °C rated value                                    |              | 100 hp  |   |                     |                              |  |
| <ul> <li>at 460/480 V at</li> </ul>   | t 50 °C rated value                                    |              | 200 hp  |   |                     |                              |  |
| ● at 200/208 V at value   | t inside-delta circuit at 50                           | °C rated     | 150 hp  |   |                     |                              |  |
| <ul> <li>at 220/230 V at value</li> </ul>   | t inside-delta circuit at 50                           | °C rated     | 200 hp  |   |                     |                              |  |
| ● at 460/480 V at<br>value  | t inside-delta circuit at 50                           | °C rated     | 400 hp  |   |                     |                              |  |
| -   | xiliary contacts accordi                               | ng to UL     | R300-B300   |   |                     |                              |  |
| Safety related data   |  | 0.500        | 1000 1000 111   | _   |                     |                              |  |
| protection class IP on the front acc. to IEC 60529<br>touch protection on the front acc. to IEC 60529 |  |              | IP00; IP20 with cover   |   |                     |                              |  |
| · · ·   |  | 529          | finger-safe, for vertical contact from the front with cover<br>in accordance with IEC 60947-4-2 |   |                     |                              |  |
| electromagnetic cor   | · · ·  |              | In accordance with  | IN IEC 609                                  | 47-4-2              |                              |  |
| Certificates/ approval  | ls   |              |   | _   |                     |                              |  |
| General Product Ap  | oproval  |              |   |   | EMC                 | Declaration of<br>Conformity |  |
| (Th   | (m)  | Ē            |   | 15  | A                   | ~ ~                          |  |
| QP  | (uc)   | ৻৽ঢ়         | tt  | IL  |                     | Ce                           |  |
| CSA   | ccc  | UL           |   |   | RCM                 | EG-Konf.                     |  |
| Test Certificates   | Marine / Shipping                                      |              |   |   |                     |                              |  |
|   |  |              |   |   |                     |                              |  |
| <u>Type Test Certific-</u><br>ates/Test Report  | ABS  | BUREAU       | Llov<br>Regi  | rd's<br>ster<br>s                           | PRS                 | DNV-GL<br>EWOLCEMENT         |  |
|   |  | VERITAS      |   |   |                     |                              |  |
| other   |  |              |   |   |                     |                              |  |
| 0.5   |  |              |   |   |                     |                              |  |
| 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=3RW5245-6TC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5245-6TC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-6TC04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bildb/cax\_de.aspx?mlfb=3RW5245-6TC04&lang=en">http://www.automation.siemens.com/bildb/cax\_de.aspx?mlfb=3RW5245-6TC04&lang=en</a>

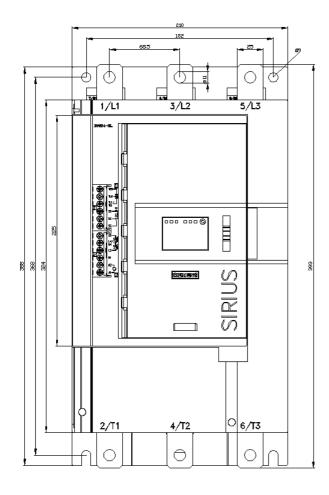
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

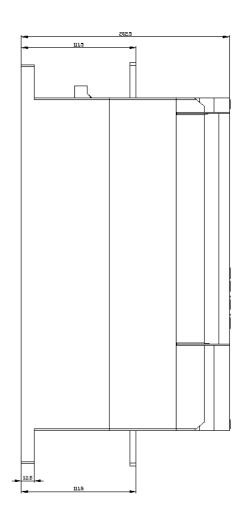
https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-6TC04/char

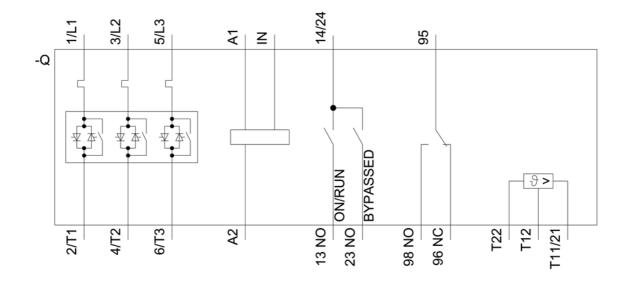
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5245-6TC04&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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