

Siemens  
EcoTech



SIRIUS soft starter 200-480 V 77 A, 110-250 V AC, spring-type terminals Fail-safe



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| product brand name                    | SIRIUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| product category                      | Hybrid switching devices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| product designation                   | Failsafe soft starters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| product type designation              | 3RW55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| manufacturer's article number         | <ul style="list-style-type: none"><li>• of high feature HMI module usable <a href="#">3RW5980-0HF00</a></li><li>• of communication module PROFINET standard usable <a href="#">3RW5980-0CS00</a></li><li>• of communication module PROFINET high-feature usable <a href="#">3RW5950-0CH00</a></li><li>• of communication module PROFIBUS usable <a href="#">3RW5980-0CP00</a></li><li>• of communication module Modbus TCP usable <a href="#">3RW5980-0CT00</a></li><li>• of communication module Modbus RTU usable <a href="#">3RW5980-0CR00</a></li><li>• of communication module Ethernet/IP <a href="#">3RW5980-0CE00</a></li><li>• of circuit breaker usable at 400 V <a href="#">3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li><li>• of circuit breaker usable at 500 V <a href="#">3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10</a></li><li>• of circuit breaker usable at 400 V at inside-delta circuit <a href="#">3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li><li>• of circuit breaker usable at 500 V at inside-delta circuit <a href="#">3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</a></li><li>• of the gG fuse usable up to 690 V <a href="#">3NA3132-6; Type of coordination 1, Iq = 65 kA</a></li><li>• of the gG fuse usable at inside-delta circuit up to 500 V <a href="#">3NA3132-6; Type of coordination 1, Iq = 65 kA</a></li><li>• of full range R fuse link for semiconductor protection usable up to 690 V <a href="#">3NE1224-0; Type of coordination 2, Iq = 65 kA</a></li><li>• of back-up R fuse link for semiconductor protection usable up to 690 V <a href="#">3NE3227; Type of coordination 2, Iq = 65 kA</a></li><li>• of the redundant contactor for applications &gt; SIL 1 according to EN 62061 <a href="#">3RT1055</a></li><li>• of the redundant contactor for applications &gt; SIL 1 at inside-delta circuit according to EN 62061 <a href="#">3RT1055</a></li><li>• of the redundant contactor for applications &gt; SIL 1 according to EN ISO 13849-1 <a href="#">3RT1056</a></li><li>• of the redundant contactor for applications &gt; SIL 1 at inside-delta circuit according to EN ISO 13849-1 <a href="#">3RT1056</a></li></ul> |
| General technical data                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| starting voltage [%]                  | 20 ... 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| stopping voltage [%]                  | 50 %; non-adjustable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| start-up ramp time of soft starter    | 0 ... 360 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ramp-down time of soft starter        | 0 ... 360 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| start torque [%]                      | 10 ... 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| stopping torque [%]                   | 10 ... 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| torque limitation [%]                 | 20 ... 200 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| current limiting value [%] adjustable | 125 ... 800 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <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>                            |                                                                                                                                                                                                                                                                                                                                                             |
| • CE marking                                                 | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • UL approval                                                | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • CSA approval                                               | Yes                                                                                                                                                                                                                                                                                                                                                         |
| <b>product component</b>                                     |                                                                                                                                                                                                                                                                                                                                                             |
| • HMI-High Feature                                           | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • is supported HMI-High Feature                              | 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>          |                                                                                                                                                                                                                                                                                                                                                             |
| • for main current circuit                                   | 100 ms                                                                                                                                                                                                                                                                                                                                                      |
| • for control circuit                                        | 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>             | 1 400 V                                                                                                                                                                                                                                                                                                                                                     |
| <b>service factor</b>                                        | 1.15                                                                                                                                                                                                                                                                                                                                                        |
| <b>surge voltage resistance rated value</b>                  | 6 kV                                                                                                                                                                                                                                                                                                                                                        |
| <b>maximum permissible voltage for protective separation</b> |                                                                                                                                                                                                                                                                                                                                                             |
| • between main and auxiliary circuit                         | 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>                         | 11/22/2019                                                                                                                                                                                                                                                                                                                                                  |
| <b>SVHC substance name</b>                                   | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7<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>Lead titanium trioxide - 12060-00-3 |
| <b>Weight</b>                                                | 8.216 kg                                                                                                                                                                                                                                                                                                                                                    |
| <b>product function</b>                                      |                                                                                                                                                                                                                                                                                                                                                             |
| • ramp-up (soft starting)                                    | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • ramp-down (soft stop)                                      | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • breakaway pulse                                            | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • adjustable current limitation                              | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • creep speed in both directions of rotation                 | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • pump ramp down                                             | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • DC braking                                                 | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • motor heating                                              | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • min/max pointer                                            | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • trace function                                             | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • intrinsic device protection                                | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • motor overload protection                                  | 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.                                                                                                                                  |
| • 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                                                                                                                                                                                                                                                                                                                                                         |
| • communication function                                     | Yes                                                                                                                                                                                                                                                                                                                                                         |
| • operating measured value display                           | Yes                                                                                                                                                                                                                                                                                                                                                         |

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| <ul style="list-style-type: none"> <li>• event list</li> <li>• error logbook</li> <li>• via software parameterizable</li> <li>• via software configurable</li> <li>• screw terminal</li> <li>• spring-loaded terminal</li> <li>• <b>PROFenergy</b></li> <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> | Yes<br>Yes<br>Yes<br>Yes<br>No<br>Yes<br>Yes; in connection with the PROFINET Standard and PROFINET High-Feature 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<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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 77 A<br>16 A<br>68 A<br>62 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 133 A<br>118 A<br>107 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 22 kW<br>37 kW<br>37 kW<br>75 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 23 W<br>20 W<br>19 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 083 W<br>921 W<br>814 W                                                                                                                                                                                                                                                           |
| <b>type of the motor protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Electronic, tripping in the event of thermal overload of the motor                                                                                                                                                                                                                  |
| <b>Control circuit/ Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                     |

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| <b>type of voltage of the control supply voltage</b>                                    | AC                                                                                                                                                                                                                                 |
| <b>control supply voltage at AC</b>                                                     |                                                                                                                                                                                                                                    |
| • at 50 Hz                                                                              | 110 ... 250 V                                                                                                                                                                                                                      |
| • at 60 Hz                                                                              | 110 ... 250 V                                                                                                                                                                                                                      |
| <b>relative negative tolerance of the control supply voltage at AC at 50 Hz</b>         | -15 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage at AC at 50 Hz</b>         | 10 %                                                                                                                                                                                                                               |
| <b>relative negative tolerance of the control supply voltage at AC at 60 Hz</b>         | -15 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage at AC at 60 Hz</b>         | 10 %                                                                                                                                                                                                                               |
| <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 current in standby mode rated value</b>                               | 100 mA                                                                                                                                                                                                                             |
| <b>holding current in bypass operation rated value</b>                                  | 180 mA                                                                                                                                                                                                                             |
| <b>inrush current by closing the bypass contacts maximum</b>                            | 0.8 A                                                                                                                                                                                                                              |
| <b>inrush current peak at application of control supply voltage maximum</b>             | 43 A                                                                                                                                                                                                                               |
| <b>duration of inrush current peak at application of control supply voltage</b>         | 1.6 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>                                                         | 4                                                                                                                                                                                                                                  |
| • with fail-safe                                                                        | 1                                                                                                                                                                                                                                  |
| • parameterizable                                                                       | 4                                                                                                                                                                                                                                  |
| • <b>number of digital outputs</b>                                                      | 3                                                                                                                                                                                                                                  |
| • Number of digital outputs with fail-safe                                              | 1                                                                                                                                                                                                                                  |
| • number of digital outputs parameterizable                                             | 2                                                                                                                                                                                                                                  |
| • number of digital outputs not parameterizable                                         | 1                                                                                                                                                                                                                                  |
| <b>digital output version</b>                                                           | 2 normally-open contacts (NO) / 1 normally-closed contact (NC) / 1 changeover contact (CO)                                                                                                                                         |
| <b>number of analog outputs</b>                                                         | 1                                                                                                                                                                                                                                  |
| <b>switching capacity current of the relay outputs</b>                                  |                                                                                                                                                                                                                                    |
| • at AC-15 at 250 V rated value                                                         | 3 A                                                                                                                                                                                                                                |
| • at DC-13 at 24 V rated value                                                          | 1 A                                                                                                                                                                                                                                |
| <b>Response times</b>                                                                   |                                                                                                                                                                                                                                    |
| OFF-delay time with safety-related request when switched off via control inputs maximum | 100 ms                                                                                                                                                                                                                             |
| <b>Installation/ mounting/ dimensions</b>                                               |                                                                                                                                                                                                                                    |
| <b>mounting position</b>                                                                | Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)                                                                                                                                                         |
| <b>fastening method</b>                                                                 | screw fixing                                                                                                                                                                                                                       |
| <b>height</b>                                                                           | 306 mm                                                                                                                                                                                                                             |
| <b>width</b>                                                                            | 185 mm                                                                                                                                                                                                                             |
| <b>depth</b>                                                                            | 203 mm                                                                                                                                                                                                                             |
| <b>required spacing with side-by-side mounting</b>                                      |                                                                                                                                                                                                                                    |
| • forwards                                                                              | 10 mm                                                                                                                                                                                                                              |
| • backwards                                                                             | 0 mm                                                                                                                                                                                                                               |
| • upwards                                                                               | 100 mm                                                                                                                                                                                                                             |
| • downwards                                                                             | 75 mm                                                                                                                                                                                                                              |
| • at the side                                                                           | 5 mm                                                                                                                                                                                                                               |
| <b>weight without packaging</b>                                                         | 7.15 kg                                                                                                                                                                                                                            |
| <b>Connections/ Terminals</b>                                                           |                                                                                                                                                                                                                                    |
| <b>type of electrical connection</b>                                                    |                                                                                                                                                                                                                                    |
| • for main current circuit                                                              | box terminal                                                                                                                                                                                                                       |
| • for control circuit                                                                   | spring-loaded terminals                                                                                                                                                                                                            |
| <b>width of connection bar maximum</b>                                                  | 25 mm                                                                                                                                                                                                                              |

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|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>wire length for thermistor connection</b>                                           |                                                                                                                         |
| • with conductor cross-section = 0.5 mm <sup>2</sup> maximum                           | 50 m                                                                                                                    |
| • with conductor cross-section = 1.5 mm <sup>2</sup> maximum                           | 150 m                                                                                                                   |
| • with conductor cross-section = 2.5 mm <sup>2</sup> maximum                           | 250 m                                                                                                                   |
| <b>type of connectable conductor cross-sections for main contacts for box terminal</b> |                                                                                                                         |
| • using the front clamping point solid                                                 | 1x (2.5 ... 16 mm <sup>2</sup> )                                                                                        |
| • using the front clamping point finely stranded with core end processing              | 1x (2.5 ... 50 mm <sup>2</sup> )                                                                                        |
| • using the front clamping point stranded                                              | 1x (10 ... 70 mm <sup>2</sup> )                                                                                         |
| • using the back clamping point solid                                                  | 1x (2.5 ... 16 mm <sup>2</sup> )                                                                                        |
| • r box terminal using the back clamping point                                         | 1x (10 ... 2/0)                                                                                                         |
| • using both clamping points solid                                                     | 2x (2.5 ... 16 mm <sup>2</sup> )                                                                                        |
| • using both clamping points finely stranded with core end processing                  | 2x (2.5 ... 35 mm <sup>2</sup> )                                                                                        |
| • using both clamping points stranded                                                  | 2x (6 ... 16 mm <sup>2</sup> ), 2x (10 ... 50 mm <sup>2</sup> )                                                         |
| • using the back clamping point finely stranded with core end processing               | 1x (2.5 ... 50 mm <sup>2</sup> )                                                                                        |
| • using the back clamping point stranded                                               | 1x (10 ... 70 mm <sup>2</sup> )                                                                                         |
| <b>type of connectable conductor cross-sections</b>                                    |                                                                                                                         |
| • for control circuit solid                                                            | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                      |
| • for control circuit finely stranded with core end processing                         | 2x (0.25 ... 1.5 mm <sup>2</sup> )                                                                                      |
| • for AWG cables for control circuit solid                                             | 2x (24 ... 16)                                                                                                          |
| • for AWG cables for control circuit finely stranded with core end processing          | 2x (24 ... 16)                                                                                                          |
| <b>wire length</b>                                                                     |                                                                                                                         |
| • between soft starter and motor maximum                                               | 800 m                                                                                                                   |
| • at the digital inputs at DC maximum                                                  | 1 000 m                                                                                                                 |
| <b>tightening torque</b>                                                               |                                                                                                                         |
| • for main contacts with screw-type terminals                                          | 4.5 ... 6 N·m                                                                                                           |
| • for auxiliary and control contacts with screw-type terminals                         | 0.8 ... 1.2 N·m                                                                                                         |
| <b>tightening torque [lbf·in]</b>                                                      |                                                                                                                         |
| • for main contacts with screw-type terminals                                          | 40 ... 53 lbf·in                                                                                                        |
| • for auxiliary and control contacts with screw-type terminals                         | 7 ... 10.3 lbf·in                                                                                                       |
| <b>Ambient conditions</b>                                                              |                                                                                                                         |
| installation altitude at height above sea level maximum                                | 2 000 m; Derating as of 1000 m, see catalog                                                                             |
| <b>ambient temperature</b>                                                             |                                                                                                                         |
| • during operation                                                                     | -25 ... +60 °C; Please observe derating at temperatures of 40 °C or above                                               |
| • during storage and transport                                                         | -40 ... +80 °C                                                                                                          |
| <b>environmental category</b>                                                          |                                                                                                                         |
| • 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)                                                                             |
| <b>Environmental footprint</b>                                                         |                                                                                                                         |
| global warming potential [CO2 eq] total                                                | 399 kg                                                                                                                  |
| global warming potential [CO2 eq] during manufacturing                                 | 92.6 kg                                                                                                                 |
| global warming potential [CO2 eq] during sales                                         | 2.37 kg                                                                                                                 |
| global warming potential [CO2 eq] during operation                                     | 324 kg                                                                                                                  |
| global warming potential [CO2 eq] after end of life                                    | -19.4 kg                                                                                                                |
| Siemens Eco Profile (SEP)                                                              | Siemens EcoTech                                                                                                         |
| <b>Electromagnetic compatibility</b>                                                   |                                                                                                                         |
| <b>EMC emitted interference</b>                                                        | acc. to IEC 60947-4-2: Class A, Class B on request                                                                      |
| <b>Communication/ Protocol</b>                                                         |                                                                                                                         |
| <b>communication module is supported</b>                                               |                                                                                                                         |
| • PROFINET standard                                                                    | Yes                                                                                                                     |
| • PROFINET high-feature                                                                | Yes                                                                                                                     |
| • EtherNet/IP                                                                          | Yes                                                                                                                     |
| • Modbus RTU                                                                           | Yes                                                                                                                     |
| • Modbus TCP                                                                           | Yes                                                                                                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • PROFIBUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 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> | Siemens type: 3VA51, max. 125 A; I <sub>q</sub> = 10 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> max = 65 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> = 10 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> max = 65 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> = 10 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> max = 65 kA<br>Siemens type: 3VA51, max. 125 A; I <sub>q</sub> = 10 kA<br><br>Type: Class RK5 / K5, max. 250 A; I <sub>q</sub> = 10 kA<br><br>Type: Class J / L, max. 250 A; I <sub>q</sub> = 100 kA<br><br>Type: Class RK5 / K5, max. 250 A; I <sub>q</sub> = 10 kA<br><br>Type: Class J / L, max. 250 A; I <sub>q</sub> = 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 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> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20 hp<br>25 hp<br>50 hp<br>30 hp<br>40 hp<br>75 hp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>contact rating of auxiliary contacts according to UL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R300-B300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| product function suitable for safety function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>suitability for use</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• safety-related switching on</li> <li>• safety-related switching OFF</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No<br>Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>safe state</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Open load circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>function test interval maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>diagnostics test interval by internal test function maximum</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 000 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>stop category according to IEC 60204-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>B10d value</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 000 000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>average diagnostic coverage level (DCavg)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MTTFd</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 39 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>IEC 62061</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Safety Integrity Level (SIL) according to IEC 62061</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SIL 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PFHD with high demand rate according to IEC 62061                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1E-6 1/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ISO 13849</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>performance level (PL) according to ISO 13849-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PL c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>category according to ISO 13849-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>IEC 61508</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Safety Integrity Level (SIL)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• according to IEC 61508</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SIL 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>safety device type according to IEC 61508-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Type B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PFHD with high demand rate according to IEC 61508</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1E-6 1/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PFDAvg with low demand rate according to IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Safe failure fraction (SFF)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| hardware fault tolerance according to IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| T1 value of service life according to IEC 61508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Electrical Safety</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>protection class IP on the front according to IEC 60529</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IP00; IP20 with cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>touch protection on the front according to IEC 60529</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | finger-safe, for vertical contact from the front with cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ATEX</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5E-7 1/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                                                                                                                                                        |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| relating to ATEX                                                                                                                                       |                                                                                              |
| PFDavg with low demand rate according to IEC 61508 relating to ATEX                                                                                    | 0.008                                                                                        |
| hardware fault tolerance according to IEC 61508 relating to ATEX                                                                                       | 0                                                                                            |
| T1 value for proof test interval or service life according to IEC 61508 relating to ATEX                                                               | 3 a                                                                                          |
| certificate of suitability <ul style="list-style-type: none"> <li>• ATEX</li> <li>• IECEx</li> <li>• according to ATEX directive 2014/34/EU</li> </ul> | Yes<br>Yes<br>BVS 18 ATEX F 003 X                                                            |
| type of protection according to ATEX directive 2014/34/EU                                                                                              | 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

|                          |     |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



|     |                                |                   |                   |                      |
|-----|--------------------------------|-------------------|-------------------|----------------------|
| EMV | For use in hazardous locations | Functional Safety | Test Certificates | Maritime application |
|-----|--------------------------------|-------------------|-------------------|----------------------|

[KC](#)



[Type Examination Certificate](#)

[Type Test Certificates/Test Report](#)



|                      |       |             |
|----------------------|-------|-------------|
| Maritime application | other | Environment |
|----------------------|-------|-------------|



[Confirmation](#)



#### Environment

Siemens EcoTech



[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=3RW5526-3HF14>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5526-3HF14>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5526-3HF14>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW5526-3HF14&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5526-3HF14&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5526-3HF14/char>

Characteristic: Installation altitude

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5526-3HF14&objecttype=14&gridview=view1>

Simulation Tool for Soft Starters (STS)

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





