



SIRIUS soft starter 200-480 V 38 A, 24 V AC/DC spring-type terminals  
Analog output

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>product brand name</b>                               | SIRIUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>product category</b>                                 | Hybrid switching devices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>product designation</b>                              | Soft starter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>product type designation</b>                         | 3RW52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>manufacturer's article number</b>                    | <ul style="list-style-type: none"> <li>• of standard HMI module usable</li> <li>• of high feature HMI module usable</li> <li>• of communication module PROFINET standard usable</li> <li>• of communication module PROFIBUS usable</li> <li>• of communication module Modbus TCP usable</li> <li>• of communication module Modbus RTU usable</li> <li>• of communication module Ethernet/IP</li> <li>• of circuit breaker usable at 400 V</li> <li>• of circuit breaker usable at 500 V</li> <li>• of circuit breaker usable at 400 V at inside-delta circuit</li> <li>• of circuit breaker usable at 500 V at inside-delta circuit</li> <li>• of the gG fuse usable up to 690 V</li> <li>• of the gG fuse usable at inside-delta circuit up to 500 V</li> <li>• of full range R fuse link for semiconductor protection usable up to 690 V</li> <li>• of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul> |
| <b>General technical data</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>starting voltage [%]</b>                             | 30 ... 100 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>stopping voltage [%]</b>                             | 50 ... 50 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>start-up ramp time of soft starter</b>               | 0 ... 20 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>current limiting value [%] adjustable</b>            | 130 ... 700 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>certificate of suitability</b>                       | <ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• CSA approval</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product component is supported</b>                   | <ul style="list-style-type: none"> <li>• HMI-Standard</li> <li>• HMI-High Feature</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>product feature integrated bypass contact system</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>number of controlled phases</b>                                                  | 3                                                                               |
| <b>trip class</b>                                                                   | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2                          |
| <b>buffering time in the event of power failure</b>                                 |                                                                                 |
| • for main current circuit                                                          | 100 ms                                                                          |
| • for control circuit                                                               | 100 ms                                                                          |
| <b>insulation voltage rated value</b>                                               | 600 V                                                                           |
| <b>degree of pollution</b>                                                          | 3, acc. to IEC 60947-4-2                                                        |
| <b>impulse voltage rated value</b>                                                  | 6 kV                                                                            |
| <b>blocking voltage of the thyristor maximum</b>                                    | 1 600 V                                                                         |
| <b>service factor</b>                                                               | 1                                                                               |
| <b>surge voltage resistance rated value</b>                                         | 6 kV                                                                            |
| <b>maximum permissible voltage for safe isolation</b>                               |                                                                                 |
| • between main and auxiliary circuit                                                | 600 V                                                                           |
| <b>utilization category acc. to IEC 60947-4-2</b>                                   | AC 53a                                                                          |
| <b>shock resistance</b>                                                             | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting                  |
| <b>vibration resistance</b>                                                         | 15 mm to 6 Hz; 2g to 500 Hz                                                     |
| <b>reference code acc. to IEC 81346-2</b>                                           | Q                                                                               |
| <b>product function</b>                                                             |                                                                                 |
| • ramp-up (soft starting)                                                           | Yes                                                                             |
| • ramp-down (soft stop)                                                             | Yes                                                                             |
| • Soft Torque                                                                       | Yes                                                                             |
| • adjustable current limitation                                                     | Yes                                                                             |
| • pump ramp down                                                                    | Yes                                                                             |
| • intrinsic device protection                                                       | Yes                                                                             |
| • motor overload protection                                                         | Yes; Electronic motor overload protection                                       |
| • evaluation of thermistor motor protection                                         | No                                                                              |
| • inside-delta circuit                                                              | Yes                                                                             |
| • auto-RESET                                                                        | Yes                                                                             |
| • manual RESET                                                                      | Yes                                                                             |
| • remote reset                                                                      | Yes; By turning off the control supply voltage                                  |
| • communication function                                                            | Yes                                                                             |
| • operating measured value display                                                  | Yes; Only in conjunction with special accessories                               |
| • error logbook                                                                     | Yes; Only in conjunction with special accessories                               |
| • via software parameterizable                                                      | No                                                                              |
| • via software configurable                                                         | Yes                                                                             |
| • <b>PROFenergy</b>                                                                 | Yes; in connection with the PROFINET Standard communication module              |
| • <b>firmware update</b>                                                            | Yes                                                                             |
| • <b>removable terminal for control circuit</b>                                     | Yes                                                                             |
| • torque control                                                                    | No                                                                              |
| • analog output                                                                     | Yes; 4 ... 20 mA (default) / 0 ... 10 V (parameterizable with High Feature HMI) |
| <b>Power Electronics</b>                                                            |                                                                                 |
| <b>operational current</b>                                                          |                                                                                 |
| • at 40 °C rated value                                                              | 38 A                                                                            |
| • at 50 °C rated value                                                              | 33.5 A                                                                          |
| • at 60 °C rated value                                                              | 30.5 A                                                                          |
| <b>operational current at inside-delta circuit</b>                                  |                                                                                 |
| • at 40 °C rated value                                                              | 65.8 A                                                                          |
| • at 50 °C rated value                                                              | 58 A                                                                            |
| • at 60 °C rated value                                                              | 52.8 A                                                                          |
| <b>operating voltage</b>                                                            |                                                                                 |
| • rated value                                                                       | 200 ... 480 V                                                                   |
| • at inside-delta circuit rated value                                               | 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</b>                      | 10 %                                                                            |

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| <b>inside-delta circuit</b>                                              |         |
| <b>operating power for 3-phase motors</b>                                |         |
| • at 230 V at 40 °C rated value                                          | 11 kW   |
| • at 230 V at inside-delta circuit at 40 °C rated value                  | 18.5 kW |
| • at 400 V at 40 °C rated value                                          | 18.5 kW |
| • at 400 V at inside-delta circuit at 40 °C rated value                  | 30 kW   |
| <b>Operating frequency 1 rated value</b>                                 | 50 Hz   |
| <b>Operating frequency 2 rated value</b>                                 | 60 Hz   |
| <b>relative negative tolerance of the operating frequency</b>            | -10 %   |
| <b>relative positive tolerance of the operating frequency</b>            | 10 %    |
| <b>adjustable motor current</b>                                          |         |
| • at rotary coding switch on switch position 1                           | 15.5 A  |
| • at rotary coding switch on switch position 2                           | 17 A    |
| • at rotary coding switch on switch position 3                           | 18.5 A  |
| • at rotary coding switch on switch position 4                           | 20 A    |
| • at rotary coding switch on switch position 5                           | 21.5 A  |
| • at rotary coding switch on switch position 6                           | 23 A    |
| • at rotary coding switch on switch position 7                           | 24.5 A  |
| • at rotary coding switch on switch position 8                           | 26 A    |
| • at rotary coding switch on switch position 9                           | 27.5 A  |
| • at rotary coding switch on switch position 10                          | 29 A    |
| • at rotary coding switch on switch position 11                          | 30.5 A  |
| • at rotary coding switch on switch position 12                          | 32 A    |
| • at rotary coding switch on switch position 13                          | 33.5 A  |
| • at rotary coding switch on switch position 14                          | 35 A    |
| • at rotary coding switch on switch position 15                          | 36.5 A  |
| • at rotary coding switch on switch position 16                          | 38 A    |
| • minimum                                                                | 15.5 A  |
| <b>adjustable motor current</b>                                          |         |
| • for inside-delta circuit at rotary coding switch on switch position 1  | 26.8 A  |
| • for inside-delta circuit at rotary coding switch on switch position 2  | 29.4 A  |
| • for inside-delta circuit at rotary coding switch on switch position 3  | 32 A    |
| • for inside-delta circuit at rotary coding switch on switch position 4  | 34.6 A  |
| • for inside-delta circuit at rotary coding switch on switch position 5  | 37.2 A  |
| • for inside-delta circuit at rotary coding switch on switch position 6  | 39.8 A  |
| • for inside-delta circuit at rotary coding switch on switch position 7  | 42.4 A  |
| • for inside-delta circuit at rotary coding switch on switch position 8  | 45 A    |
| • for inside-delta circuit at rotary coding switch on switch position 9  | 47.6 A  |
| • for inside-delta circuit at rotary coding switch on switch position 10 | 50.2 A  |
| • for inside-delta circuit at rotary coding switch on switch position 11 | 52.8 A  |
| • for inside-delta circuit at rotary coding switch on switch position 12 | 55.4 A  |
| • for inside-delta circuit at rotary coding switch on switch position 13 | 58 A    |
| • for inside-delta circuit at rotary coding switch on switch position 14 | 60.6 A  |
| • for inside-delta circuit at rotary coding switch on switch position 15 | 63.2 A  |
| • for inside-delta circuit at rotary coding switch on switch position 16 | 65.8 A  |
| • at inside-delta circuit minimum                                        | 26.8 A  |

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| <b>minimum load [%]</b>                                                         | 15 %; Relative to smallest settable I <sub>e</sub>                                                                                                                                                                                 |
| <b>power loss [W] for rated value of the current at AC</b>                      |                                                                                                                                                                                                                                    |
| • at 40 °C after startup                                                        | 23 W                                                                                                                                                                                                                               |
| • at 50 °C after startup                                                        | 22 W                                                                                                                                                                                                                               |
| • at 60 °C after startup                                                        | 21 W                                                                                                                                                                                                                               |
| <b>power loss [W] at AC at current limitation 350 %</b>                         |                                                                                                                                                                                                                                    |
| • at 40 °C during startup                                                       | 628 W                                                                                                                                                                                                                              |
| • at 50 °C during startup                                                       | 526 W                                                                                                                                                                                                                              |
| • at 60 °C during startup                                                       | 464 W                                                                                                                                                                                                                              |
| <b>Control circuit/ Control</b>                                                 |                                                                                                                                                                                                                                    |
| <b>type of voltage of the control supply voltage</b>                            | AC/DC                                                                                                                                                                                                                              |
| • control supply voltage at AC at 50 Hz rated value                             | 24 V                                                                                                                                                                                                                               |
| • control supply voltage at AC at 60 Hz rated value                             | 24 V                                                                                                                                                                                                                               |
| <b>relative negative tolerance of the control supply voltage at AC at 50 Hz</b> | -20 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage at AC at 50 Hz</b> | 20 %                                                                                                                                                                                                                               |
| <b>relative negative tolerance of the control supply voltage at AC at 60 Hz</b> | -20 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage at AC at 60 Hz</b> | 20 %                                                                                                                                                                                                                               |
| <b>control supply voltage frequency</b>                                         | 50 ... 60 Hz                                                                                                                                                                                                                       |
| <b>relative negative tolerance of the control supply voltage frequency</b>      | -10 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage frequency</b>      | 10 %                                                                                                                                                                                                                               |
| • control supply voltage at DC rated value                                      | 24 V                                                                                                                                                                                                                               |
| <b>relative negative tolerance of the control supply voltage at DC</b>          | -20 %                                                                                                                                                                                                                              |
| <b>relative positive tolerance of the control supply voltage at DC</b>          | 20 %                                                                                                                                                                                                                               |
| <b>control supply current in standby mode rated value</b>                       | 160 mA                                                                                                                                                                                                                             |
| <b>holding current in bypass operation rated value</b>                          | 360 mA                                                                                                                                                                                                                             |
| <b>locked-rotor current at close of bypass contact maximum</b>                  | 0.75 A                                                                                                                                                                                                                             |
| <b>inrush current peak at application of control supply voltage maximum</b>     | 3.3 A                                                                                                                                                                                                                              |
| <b>duration of inrush current peak at application of control supply voltage</b> | 12.1 ms                                                                                                                                                                                                                            |
| <b>design of the overvoltage protection</b>                                     | Varistor                                                                                                                                                                                                                           |
| <b>design of short-circuit protection for control circuit</b>                   | 4 A gG fuse (I <sub>cu</sub> =1 kA), 6 A quick-acting fuse (I <sub>cu</sub> =1 kA), C1 miniature circuit breaker (I <sub>cu</sub> = 600 A), C6 miniature circuit breaker (I <sub>cu</sub> = 300 A); Is not part of scope of supply |
| <b>Inputs/ Outputs</b>                                                          |                                                                                                                                                                                                                                    |
| <b>number of digital inputs</b>                                                 | 1                                                                                                                                                                                                                                  |
| <b>number of inputs for thermistor connection</b>                               | 0                                                                                                                                                                                                                                  |
| <b>number of digital outputs</b>                                                | 3                                                                                                                                                                                                                                  |
| • not parameterizable                                                           | 2                                                                                                                                                                                                                                  |
| <b>digital output version</b>                                                   | 2 normally-open contacts (NO) / 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>Installation/ mounting/ dimensions</b>                                       |                                                                                                                                                                                                                                    |
| <b>mounting position</b>                                                        | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back                                                                                                           |
| <b>fastening method</b>                                                         | screw fixing                                                                                                                                                                                                                       |
| <b>height</b>                                                                   | 275 mm                                                                                                                                                                                                                             |
| <b>width</b>                                                                    | 170 mm                                                                                                                                                                                                                             |
| <b>depth</b>                                                                    | 152 mm                                                                                                                                                                                                                             |
| required spacing with side-by-side mounting                                     |                                                                                                                                                                                                                                    |

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| <ul style="list-style-type: none"> <li>• forwards</li> <li>• backwards</li> <li>• upwards</li> <li>• downwards</li> <li>• at the side</li> </ul>                                                                                                                                               | 10 mm<br>0 mm<br>100 mm<br>75 mm<br>5 mm                                                                                                                                                                                                                                          |
| <b>weight without packaging</b>                                                                                                                                                                                                                                                                | 2.3 kg                                                                                                                                                                                                                                                                            |
| <b>Connections/ Terminals</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
| <b>type of electrical connection</b>                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for control circuit</li> </ul>                                                                                                                                                                                    | screw-type terminals<br>spring-loaded terminals                                                                                                                                                                                                                                   |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded with core end processing</li> </ul> </li> <li>• at AWG cables for main current circuit solid</li> </ul>                                                   | 2x (1.0 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )<br>2x (1.0 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6.0 mm <sup>2</sup> )<br>2x (16 ... 12), 2x (14 ... 8)                                                                                                      |
| <b>type of connectable conductor cross-sections</b>                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• for control circuit solid</li> <li>• for control circuit finely stranded with core end processing</li> <li>• at AWG cables for control circuit solid</li> <li>• at AWG cables for control circuit finely stranded with core end processing</li> </ul> | 2x (0.25 ... 1.5 mm <sup>2</sup> )<br>2x (0.25 ... 1.5 mm <sup>2</sup> )<br><br>2x (24 ... 16)<br>2x (24 ... 16)                                                                                                                                                                  |
| <b>wire length</b>                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• between soft starter and motor maximum</li> <li>• at the digital inputs at AC maximum</li> <li>• at the digital inputs at DC maximum</li> </ul>                                                                                                       | 800 m<br>100 m<br>1 000 m                                                                                                                                                                                                                                                         |
| <b>tightening torque</b>                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>                                                                                                                        | 2 ... 2.5 N·m<br>0.8 ... 1.2 N·m                                                                                                                                                                                                                                                  |
| <b>tightening torque [lbf·in]</b>                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• for main contacts with screw-type terminals</li> <li>• for auxiliary and control contacts with screw-type terminals</li> </ul>                                                                                                                        | 18 ... 22 lbf·in<br>7 ... 10.3 lbf·in                                                                                                                                                                                                                                             |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                   |
| installation altitude at height above sea level maximum                                                                                                                                                                                                                                        | 5 000 m; Derating as of 1000 m, see catalog                                                                                                                                                                                                                                       |
| <ul style="list-style-type: none"> <li>• ambient temperature during operation</li> <li>• ambient temperature during storage and transport</li> </ul>                                                                                                                                           | -25 ... +60 °C; Please observe derating at temperatures of 40 °C or above<br>-40 ... +80 °C                                                                                                                                                                                       |
| <b>environmental category</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• during operation acc. to IEC 60721</li> <li>• during storage acc. to IEC 60721</li> <li>• during transport acc. to IEC 60721</li> </ul>                                                                                                               | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6<br>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4<br>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) |
| <b>EMC emitted interference</b>                                                                                                                                                                                                                                                                | acc. to IEC 60947-4-2: Class A                                                                                                                                                                                                                                                    |
| <b>Communication/ Protocol</b>                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                   |
| <b>communication module is supported</b>                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• PROFINET standard</li> <li>• EtherNet/IP</li> <li>• Modbus RTU</li> <li>• Modbus TCP</li> <li>• PROFIBUS</li> </ul>                                                                                                                                   | Yes<br>Yes<br>Yes<br>Yes<br>Yes                                                                                                                                                                                                                                                   |
| <b>UL/CSA ratings</b>                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |
| <b>manufacturer's article number</b>                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• of circuit breaker <ul style="list-style-type: none"> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> </ul> </li> </ul>                                             | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; I <sub>q</sub> = 5 kA<br><br>Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; I <sub>q</sub> max = 65 kA                                                                                                               |

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| <ul style="list-style-type: none"> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>                                                                                                                                                 | <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; I<sub>q</sub> = 5 kA</p> <p>Siemens type: 3VA51, max. 60 A; I<sub>q</sub> max = 65 kA</p> <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; I<sub>q</sub> = 5 kA</p> <p>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; I<sub>q</sub> = 5 kA</p> |
| <p>● <b>of the fuse</b></p> <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>                                                                                                                                     | <p>Type: Class RK5 / K5, max. 150 A; I<sub>q</sub> = 5 kA</p> <p>Type: Class J / L, max. 150 A; I<sub>q</sub> = 100 kA</p> <p>Type: Class RK5 / K5, max. 150 A; I<sub>q</sub> = 5 kA</p> <p>Type: Class J / L, max. 150 A; I<sub>q</sub> = 100 kA</p>                                                                     |
| <p><b>operating power [hp] for 3-phase motors</b></p> <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>                                                                                     | <p>10 hp</p> <p>10 hp</p> <p>20 hp</p> <p>15 hp</p> <p>20 hp</p> <p>40 hp</p>                                                                                                                                                                                                                                             |
| <p><b>contact rating of auxiliary contacts according to UL</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>R300-B300</p>                                                                                                                                                                                                                                                                                                          |
| <b>Safety related data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                           |
| <p><b>protection class IP on the front acc. to IEC 60529</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>IP20</p>                                                                                                                                                                                                                                                                                                               |
| <p><b>touch protection on the front acc. to IEC 60529</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>finger-safe, for vertical contact from the front</p>                                                                                                                                                                                                                                                                   |
| <p><b>electromagnetic compatibility</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>in accordance with IEC 60947-4-2</p>                                                                                                                                                                                                                                                                                   |
| <b>Certificates/ approvals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                           |
| <p><b>General Product Approval</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p><b>EMC</b></p>                                                                                                                                                                                                                                                                                                         |
| <div>       </div> |                                                                                                                                                                                                                                                                                                                           |
| <p><b>Declaration of Conformity</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p><b>Test Certificates</b></p>                                                                                                                                                                                                                                                                                           |
| <p><b>Marine / Shipping</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                           |
| <p><a href="#">Miscellaneous</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><a href="#">Type Test Certificates/Test Report</a></p>                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |
| <p>EG-Konf.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>ABS</p> <p>LRS</p> <p>PRS</p>                                                                                                                                                                                                                                                                                          |
| <p><b>Marine / Shipping</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p><b>other</b></p>                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p><a href="#">Confirmation</a></p> <p><a href="#">Confirmation</a></p>                                                                                                                                                                                                                                                   |

#### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5217-3AC04>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-3AC04>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC04>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW5217-3AC04&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5217-3AC04&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC04/char>

Characteristic: Installation altitude

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-3AC04&objecttype=14&gridview=view1>

Simulation Tool for Soft Starters (STS)

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



