## SIEMENS

## Data sheet

## 3RW5516-3HA14



SIRIUS soft starter 200-480 V 32 A, 110-250 V AC spring-type terminals

| product brand name  | SIRIUS  |  |  |
|---|---|--|--|
| product category  | Hybrid switching devices                                    |  |  |
| product designation   | Soft starter  |  |  |
| product type designation  | 3RW55   |  |  |
| manufacturer's article number   |   |  |  |
| <ul> <li>of high feature HMI module usable</li> </ul>   | <u>3RW5980-0HF00</u>  |  |  |
| <ul> <li>of communication module PROFINET standard usable</li> </ul>                              | <u>3RW5980-0CS00</u>  |  |  |
| <ul> <li>of communication module PROFINET high-feature usable</li> </ul>                          | <u>3RW5950-0CH00</u>  |  |  |
| <ul> <li>of communication module PROFIBUS usable</li> </ul>                                       | <u>3RW5980-0CP00</u>  |  |  |
| <ul> <li>of communication module Modbus TCP usable</li> </ul>                                     | <u>3RW5980-0CT00</u>  |  |  |
| <ul> <li>of communication module Modbus RTU usable</li> </ul>                                     | <u>3RW5980-0CR00</u>  |  |  |
| <ul> <li>of communication module Ethernet/IP</li> </ul>   | <u>3RW5980-0CE00</u>  |  |  |
| <ul> <li>of circuit breaker usable at 400 V</li> </ul>  | 3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10 |  |  |
| <ul> <li>of circuit breaker usable at 500 V</li> </ul>  | 3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10 |  |  |
| <ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>                    | 3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10 |  |  |
| <ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>                    | 3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10 |  |  |
| <ul> <li>of the gG fuse usable up to 690 V</li> </ul>   | 3NA3824-6; Type of coordination 1, Iq = 65 kA               |  |  |
| <ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>                     | 3NA3824-6; Type of coordination 1, Iq = 65 kA               |  |  |
| <ul> <li>of full range R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul> | <u>3NE1818-0; Type of coordination 2, Iq = 65 kA</u>        |  |  |
| <ul> <li>of back-up R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul>    | <u>3NE8022-1; Type of coordination 2, Iq = 65 kA</u>        |  |  |
| 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 %  |  |  |
|   |   |  |  |

| 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 %                 |  |  |  |
| breakaway voltage [%] adjustable      | 40 100 %                  |  |  |  |
| breakaway time adjustable             | 0 2 s                     |  |  |  |
| number of parameter sets              | 3                         |  |  |  |
| accuracy class                        | 5 (based on IEC 61557-12) |  |  |  |
| certificate of suitability            |                           |  |  |  |
| CE marking                            | Yes                       |  |  |  |
| UL approval                           | Yes                       |  |  |  |

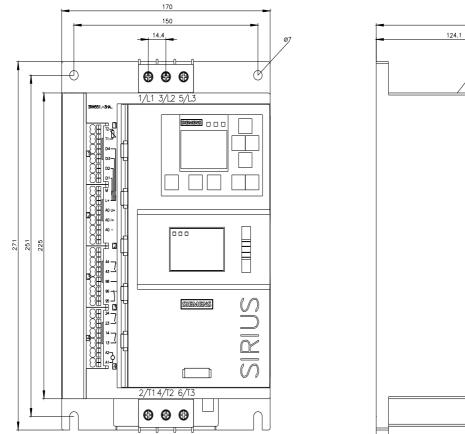
| CSA approval   | Yes  |  |  |
|--|--|--|--|
| product component  |  |  |  |
| HMI-High Feature   | Yes  |  |  |
| <ul> <li>is supported HMI-High Feature</li> </ul>              | Yes  |  |  |
| product feature integrated bypass contact system               | Yes  |  |  |
| number of controlled phases                                    | 3  |  |  |
| current unbalance limiting value [%]                           | 10 60 %  |  |  |
| ground-fault monitoring limiting value [%]                     | 10 95 %  |  |  |
| buffering time in the event of power failure                   |  |  |  |
| <ul> <li>for main current circuit</li> </ul>                   | 100 ms   |  |  |
| for control circuit  | 100 ms   |  |  |
| idle time adjustable   | 0 255 s  |  |  |
| insulation voltage rated value                                 | 480 V  |  |  |
| degree of pollution  | 3, acc. to IEC 60947-4-2   |  |  |
| impulse voltage rated value                                    | 6 kV   |  |  |
| blocking voltage of the thyristor maximum                      | 1 600 V  |  |  |
| service factor   | 1.15   |  |  |
| surge voltage resistance rated value                           | 6 kV   |  |  |
| maximum permissible voltage for protective separation          |  |  |  |
| between main and auxiliary circuit                             | 480 V; does not apply for thermistor connection  |  |  |
| shock resistance   | 15 g / 11 ms, from 6 g / 11 ms with potential contact lifting  |  |  |
| recovery time after overload trip adjustable                   | 60 1 800 s   |  |  |
| utilization category according to IEC 60947-4-2                | AC 53a   |  |  |
| reference code according to IEC 81346-2                        | Q  |  |  |
| Substance Prohibitance (Date)                                  | 02/15/2018   |  |  |
| SVHC substance name  | Lead - 7439-92-1   |  |  |
|  | Lead monoxide (lead oxide) - 1317-36-8<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>Dicyclohexyl phthalate (DCHP) - 84-61-7<br>Dodecamethylcyclohexasiloxane (D6) - 540-97-6<br>Lead titanium trioxide - 12060-00-3<br>Diboron trioxide - 1303-86-2 |  |  |
| product function   |  |  |  |
| <ul> <li>ramp-up (soft starting)</li> </ul>                    | Yes  |  |  |
| • ramp-down (soft stop)  | Yes  |  |  |
| breakaway pulse  | Yes  |  |  |
| adjustable current limitation                                  | Yes  |  |  |
| <ul> <li>creep speed in both directions of rotation</li> </ul> | Yes  |  |  |
| • pump ramp down   | Yes  |  |  |
| • DC braking   | Yes  |  |  |
| motor heating  | Yes  |  |  |
| slave pointer function   | 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.   |  |  |
| <ul> <li>evaluation of thermistor motor protection</li> </ul>  | Yes; Type A PTC or Klixon / Thermoclick  |  |  |
| • inside-delta circuit   | Yes  |  |  |
| auto-RESET   | Yes  |  |  |
| manual RESET   | Yes  |  |  |
| remote reset   | Yes  |  |  |
| communication function   | Yes  |  |  |
| <ul> <li>operating measured value display</li> </ul>           | Yes  |  |  |
| • event list   | Yes  |  |  |
| • error logbook  | Yes  |  |  |
| via software parameterizable                                   | Yes  |  |  |
| via software configurable                                      | Yes  |  |  |
| screw terminal   | No   |  |  |
| spring-loaded terminal   | Yes  |  |  |
| PROFlenergy  | Yes; in connection with the PROFINET Standard and PROFINET High-Feature communication modules  |  |  |
| firmware update  | Yes  |  |  |

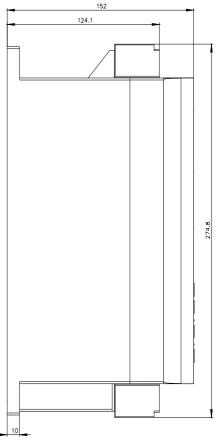
|   | Vec  |  |  |  |  |
|---|--|--|--|--|--|
| removable terminal for control circuit  | Yes  |  |  |  |  |
| voltage ramp  | Yes  |  |  |  |  |
| torque control  | Yes  |  |  |  |  |
| combined braking  | Yes  |  |  |  |  |
| analog output   | Yes; 4 20 mA (default) / 0 10 V                                    |  |  |  |  |
| programmable control inputs/outputs   | Yes  |  |  |  |  |
| condition monitoring  | Yes  |  |  |  |  |
| automatic parameterisation  | Yes  |  |  |  |  |
| <ul> <li>application wizards</li> <li>alternative run-down</li> </ul>           | Yes<br>Yes   |  |  |  |  |
|   | Yes  |  |  |  |  |
| emergency operation mode  | Yes  |  |  |  |  |
| reversing operation   | Yes  |  |  |  |  |
| soft starting at heavy starting conditions Power Electronics                    | Tes  |  |  |  |  |
| operational current   |  |  |  |  |  |
| at 40 °C rated value  | 32 A   |  |  |  |  |
| at 40 °C rated value minimum  | 6.5 A  |  |  |  |  |
| at 50 °C rated value  | 0.5 A<br>28.4 A  |  |  |  |  |
| at 60 °C rated value  | 26.4 A<br>26 A   |  |  |  |  |
| operational current at inside-delta circuit                                     |  |  |  |  |  |
| at 40 °C rated value  | 55.4 A   |  |  |  |  |
| at 50 °C rated value  | 49 A   |  |  |  |  |
| at 50 °C rated value  | 45 A   |  |  |  |  |
| operating voltage   |  |  |  |  |  |
| rated value   | 200 480 V  |  |  |  |  |
| at inside-delta circuit rated value   | 200 480 V  |  |  |  |  |
| relative negative tolerance of the operating voltage                            | -15 %  |  |  |  |  |
| relative positive tolerance of the operating voltage                            | 10 %   |  |  |  |  |
| relative negative tolerance of the operating voltage at                         | -15 %  |  |  |  |  |
| inside-delta circuit  |  |  |  |  |  |
| relative positive tolerance of the operating voltage at<br>inside-delta circuit | 10 %   |  |  |  |  |
| operating power for 3-phase motors  |  |  |  |  |  |
| • at 230 V at 40 °C rated value   | 7.5 kW   |  |  |  |  |
| <ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>       | 15 kW  |  |  |  |  |
| • at 400 V at 40 °C rated value   | 15 kW  |  |  |  |  |
| at 400 V at inside-delta circuit at 40 °C rated value                           | 22 kW  |  |  |  |  |
| Operating frequency 1 rated value   | 50 Hz  |  |  |  |  |
| Operating frequency 2 rated value   | 60 Hz  |  |  |  |  |
| relative negative tolerance of the operating frequency                          | 10 %<br>10 %   |  |  |  |  |
| relative positive tolerance of the operating frequency                          | 10 %<br>10 %; Relative to set le                                   |  |  |  |  |
| minimum load [%]<br>power loss [W] for rated value of the current at AC         | 10 %, Relative to set le   |  |  |  |  |
| at 40 °C after startup  | 10 W   |  |  |  |  |
| • at 50 °C after startup  | 9 W  |  |  |  |  |
| • at 60 °C after startup  | 8 W  |  |  |  |  |
| power loss [W] at AC at current limitation 350 %                                |  |  |  |  |  |
| • at 40 °C during startup   | 519 W  |  |  |  |  |
| • at 50 °C during startup   | 437 W  |  |  |  |  |
| • at 60 °C during startup   | 386 W  |  |  |  |  |
| type of the motor protection  | Electronic, tripping in the event of thermal overload of the motor |  |  |  |  |
| Control circuit/ Control  |  |  |  |  |  |
| type of voltage of the control supply voltage                                   | AC   |  |  |  |  |
| control supply voltage at AC  |  |  |  |  |  |
| • at 50 Hz  | 110 250 V  |  |  |  |  |
| • at 60 Hz  | 110 250 V  |  |  |  |  |
| relative negative tolerance of the control supply voltage at AC at 50 Hz        | -15 %  |  |  |  |  |
| relative positive tolerance of the control supply voltage at AC at 50 Hz        | 10 %   |  |  |  |  |
| relative negative tolerance of the control supply voltage at AC at 60 Hz        | -15 %  |  |  |  |  |

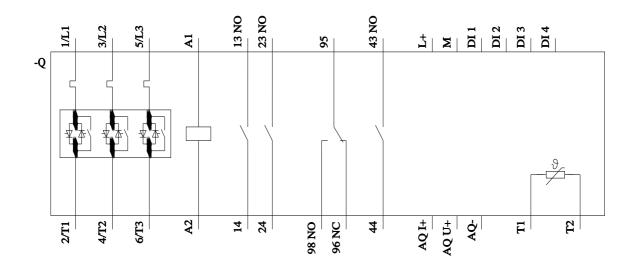
| relative positive tolerance of the control supply voltage at AC at 60 Hz   | 10 %   |  |  |  |  |
|--|--|--|--|--|--|
| control supply voltage frequency   | 50 60 Hz   |  |  |  |  |
| relative negative tolerance of the control supply voltage frequency  | -10 %  |  |  |  |  |
| relative positive tolerance of the control supply voltage frequency  | 10 %   |  |  |  |  |
| control supply current in standby mode rated value   | 100 mA   |  |  |  |  |
| holding current in bypass operation rated value  | 165 mA   |  |  |  |  |
| inrush current by closing the bypass contacts maximum  | 0.2 A  |  |  |  |  |
| inrush current peak at application of control supply voltage maximum   | 43 A   |  |  |  |  |
| duration of inrush current peak at application of control supply voltage   | 1.6 ms   |  |  |  |  |
| design of the overvoltage protection   | Varistor   |  |  |  |  |
| design of short-circuit protection for control circuit   | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply |  |  |  |  |
| Inputs/ Outputs  |  |  |  |  |  |
| number of digital inputs   | 4  |  |  |  |  |
| parameterizable  | 4  |  |  |  |  |
|  |  |  |  |  |  |
| <ul> <li>number of digital outputs</li> </ul>  | 4  |  |  |  |  |
| <ul> <li>number of digital outputs parameterizable</li> </ul>  | 3  |  |  |  |  |
| <ul> <li>number of digital outputs not parameterizable</li> </ul>  | 1  |  |  |  |  |
| digital output version   | 3 normally-open contacts (NO) / 1 changeover contact (CO)  |  |  |  |  |
| number of analog outputs   | 1  |  |  |  |  |
| switching capacity current of the relay outputs  |  |  |  |  |  |
| at AC-15 at 250 V rated value  | 3 A  |  |  |  |  |
| <ul> <li>at DC-13 at 24 V rated value</li> </ul>   | 1A   |  |  |  |  |
| Installation/ mounting/ dimensions   |  |  |  |  |  |
| mounting position  | Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)   |  |  |  |  |
| fastening method   | screw fixing   |  |  |  |  |
| height   | 275 mm   |  |  |  |  |
| width  | 170 mm   |  |  |  |  |
| depth  | 152 mm   |  |  |  |  |
| required spacing with side-by-side mounting  |  |  |  |  |  |
| • forwards   | 10 mm  |  |  |  |  |
| backwards  | 0 mm   |  |  |  |  |
| • upwards  | 100 mm   |  |  |  |  |
| downwards  | 75 mm  |  |  |  |  |
| • at the side  | 5 mm   |  |  |  |  |
| weight without packaging   | 2.6 kg   |  |  |  |  |
| Connections/ Terminals   | 2.0 kg   |  |  |  |  |
| type of electrical connection  |  |  |  |  |  |
| for main current circuit   | screw-type terminals   |  |  |  |  |
| for main current circuit     for control circuit   | spring-loaded terminals  |  |  |  |  |
| wire length for thermistor connection  | Shund-nanch feililliais  |  |  |  |  |
| with conductor cross-section = 0.5 mm <sup>2</sup> maximum   | 50 m   |  |  |  |  |
| <ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul> | 50 m<br>150 m  |  |  |  |  |
| <ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul> | 250 m  |  |  |  |  |
|  | 200 111  |  |  |  |  |
| type of connectable conductor cross-sections   |  |  |  |  |  |
| for main contacts     solid  | $2x(10, 25 \text{ mm}^2), 2x(25, 40 \text{ mm}^2)$   |  |  |  |  |
| — solid  | $2x (1.0 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$  |  |  |  |  |
| — finely stranded with core end processing   | 2x (1.0 2.5 mm <sup>2</sup> ), 2x (2.5 6.0 mm <sup>2</sup> )   |  |  |  |  |
| for AWG cables for main current circuit solid  | 2x (16 12), 2x (14 8)  |  |  |  |  |
| type of connectable conductor cross-sections   | 0. (0.05 4.5 mm²)  |  |  |  |  |
| 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 mm²)  |  |  |  |  |
| for AWG cables for control circuit solid   | 2x (24 16)   |  |  |  |  |
| for AWG cables for control circuit finely stranded with<br>core end processing     wire length   | 2x (24 16)   |  |  |  |  |
|  |  |  |  |  |  |

| <ul> <li>between soft starter and motor maximum</li> </ul>   | 800 m  |  |  |
|--|--|--|--|
| <ul> <li>at the digital inputs at DC maximum</li> </ul>  | 1 000 m  |  |  |
| tightening torque  |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>  | 2 2.5 N·m  |  |  |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>   | 0.8 1.2 N·m  |  |  |
| terminals  |  |  |  |
| tightening torque [lbf⋅in]   |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>  | 18 22 lbf·in   |  |  |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>   | 7 10.3 lbf·in  |  |  |
| terminals  |  |  |  |
| Ambient conditions   |  |  |  |
| installation altitude at height above sea level maximum  | 5 000 m; Derating as of 1000 m, see catalog  |  |  |
| ambient temperature  |  |  |  |
| during operation   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above  |  |  |
| during storage and transport   | -40 +80 °C   |  |  |
| environmental category   |  |  |  |
| <ul> <li>during operation according to IEC 60721</li> </ul>  | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  |  |  |
| <ul> <li>during storage according to IEC 60721</li> </ul>  | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  |  |  |
| during transport according to IEC 60721  | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |  |  |
| Environmental footprint  |  |  |  |
| Siemens Eco Profile (SEP)  | Siemens EcoTech  |  |  |
| EMC emitted interference   | acc. to IEC 60947-4-2: Class A, Class B on request   |  |  |
| Communication/ Protocol  |  |  |  |
| communication module is supported  |  |  |  |
| PROFINET standard  | Yes  |  |  |
| <ul> <li>PROFINET high-feature</li> </ul>  | Yes  |  |  |
| EtherNet/IP  | Yes  |  |  |
| Modbus RTU   | Yes  |  |  |
| Modbus TCP   | Yes  |  |  |
| PROFIBUS   | Yes  |  |  |
| UL/CSA ratings   |  |  |  |
| manufacturer's article number  |  |  |  |
| <ul> <li>of circuit breaker usable for Standard Faults</li> </ul>  |  |  |  |
| - at 460/480 V according to UL   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Ig = 5 kA   |  |  |
| — 60/480 V according to UL   |  |  |  |
|  | Siemens type: 3RV2742, max.40 A or 3VA51, max, 60 A; Ig max = 65 kA  |  |  |
| ° °  | Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  |  |  |
| - at 460/480 V at inside-delta circuit according to UL   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA   |  |  |
| <ul> <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> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA   |  |  |
| <ul> <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> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA   |  |  |
| <ul> <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> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA   |  |  |
| <ul> <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>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA   |  |  |
| <ul> <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> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA   |  |  |
| <ul> <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> <li>of the fuse</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> <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 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</li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA  |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> <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 Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA  |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard 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>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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> <li>operating power [hp] for 3-phase motors</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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> <li>according to UL</li> <li>bable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to UL</li> <li>bable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> <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 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> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul>  | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 200/208 V at 50 °C rated value</li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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 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> <li>according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to UL</li> <li>at 200/208 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> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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 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> <li>according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to Crated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at soft the fuse <ul> <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> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 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> </li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <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> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according to Crated value</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 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> | Siemens type: $3RV2742$ , max. 70 A or $3VA51$ , max. 100 A; $Iq = 5 kA$<br>Siemens type: $3VA51$ , max. 60 A; $Iq max = 65 kA$<br>Siemens type: $3RV2742$ , max. 70 A or $3VA51$ , max. 100 A; $Iq = 5 kA$<br>Siemens type: $3VA51$ , max. 60 A; $Iq max = 65 kA$<br>Siemens type: $3RV2742$ , max. 70 A or $3VA51$ , max. 100 A; $Iq = 5 kA$<br>Type: Class $RK5 / K5$ , max. 125 A; $Iq = 5 kA$<br>Type: Class $J / L$ , max. 125 A; $Iq = 100 kA$<br>Type: Class $RK5 / K5$ , max. 125 A; $Iq = 5 kA$<br>Type: Class $RK5 / K5$ , max. 125 A; $Iq = 5 kA$<br>Type: Class $J / L$ , max. 125 A; $Iq = 100 kA$<br>Type: Class $J / L$ , max. 125 A; $Iq = 100 kA$<br>R300-B300 |  |  |
| <ul> <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> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at 575/600 V at inside-delta circuit according to UL</li> <li>at solution of the fuse</li> <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> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 220/230 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>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Siemens type: 3VA51, max. 60 A; lq max = 65 kA<br>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class RK5 / K5, max. 125 A; lq = 5 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA<br>Type: Class J / L, max. 125 A; lq = 100 kA   |  |  |

| Safety Integrity Level to ATEX                    | I (SIL) according to IEC 615  | 08 relating SI             | L1                                      |                            |  |  |  |
|---|---|----------------------------|---|----------------------------|--|--|--|
| PFHD with high dema<br>relating to ATEX           | and rate according to IEC 6   | 1 <b>508</b> 5E            | 5E-7 1/h                                |                            |  |  |  |
| PFDavg with low den<br>relating to ATEX           | nand rate according to IEC  | <b>61508</b> 0.0           | 0.008                                   |                            |  |  |  |
| hardware fault tolera<br>ATEX                     | nce according to IEC 61508  | relating to 0              | 0                                       |                            |  |  |  |
| T1 value for proof tes<br>IEC 61508 relating to   | st interval or service life acc<br>ATEX                                     | cording to 3 a             | 3 а                                     |                            |  |  |  |
| certificate of suitabili                          | ity   |                            |   |                            |  |  |  |
| • ATEX  |   | Ye                         | Yes                                     |                            |  |  |  |
| <ul> <li>IECEx</li> </ul>                         |   | Ye                         | es                                      |                            |  |  |  |
| <ul> <li>according to AT</li> </ul>               | EX directive 2014/34/EU   | B\                         | /S 18 ATEX F 003 X                      |                            |  |  |  |
| type of protection ac                             | cording to ATEX directive 2   |                            | 2)G [Ex eb Gb] [Ex db Gb] [<br>x db Mb] | Ex pxb Gb], II (2)D [Ex tb | 0 Db] [Ex pxb Db], I (M2)                      |  |  |
| Approvals Certificates                            |   |                            |   |                            |  |  |  |
| General Product App                               | proval  |                            |   |                            |  |  |  |
|   | UK<br>CA  | CE<br>EG-Konf.             | <u>Confirmation</u>                     |                            |  |  |  |
| General Product Ap-<br>proval                     | EMV   |                            | For use in hazardous                    | locations                  | Test Certificates                              |  |  |
| EAC   | RCM   | KC                         | IECEx                                   | K<br>ATEX                  | <u>Type Test Certific-</u><br>ates/Test Report |  |  |
| Marine / Shipping                                 |   |                            |   | other                      | Environment                                    |  |  |
| ABS   | BUREAU<br>VERITAS   | Lloyd's<br>Register<br>urs | PRS                                     | <u>Confirmation</u>        | Siemens<br>EcoTech                             |  |  |
| Environment                                       |   |                            |   |                            |  |  |  |
| EPD   | Environmental Con-<br>firmations  |                            |   |                            |  |  |  |
|   |   |                            |   |                            |  |  |  |
| Further information                               |   |                            |   |                            |  |  |  |
| Information on the pa                             | ackaging<br>/.siemens.com/cs/ww/en/view                                     | //100812975                |   |                            |  |  |  |
|   | vnloadcenter (Catalogs, Bro   |                            |   |                            |  |  |  |
| https://www.siemens.c                             | om/ic10   |                            |   |                            |  |  |  |
| Industry Mall (Online                             | ordering system)<br>emens.com/mall/en/en/Catalo                             | a/product?mlfh=3P          | V5516-3HA14                             |                            |  |  |  |
| Cax online generator                              |   |                            |   |                            |  |  |  |
| http://support.automati                           | on.siemens.com/WW/CAXor   |                            | g=en&mlfb=3RW5516-3HA1                  | 4                          |  |  |  |
|   | anuals, Certificates, Charac<br>/.siemens.com/cs/ww/en/ps/3                 |                            |   |                            |  |  |  |
| Image database (prod                              | duct images, 2D dimension   | drawings, 3D mod           | els, device circuit diagram             | s, EPLAN macros,)          |  |  |  |
| http://www.automation                             | .siemens.com/bilddb/cax_de.   | aspx?mlfb=3RW551           | 6-3HA14⟨=en                             |                            |  |  |  |
|   | ing characteristics, I <sup>2</sup> t, Let-I<br>/.siemens.com/cs/ww/en/ps/3 |                            | ar                                      |                            |  |  |  |
| Characteristic: Instal                            |   |                            | <u>41</u>                               |                            |  |  |  |
| http://www.automation                             | .siemens.com/bilddb/index.as  | spx?view=Search&m          | llfb=3RW5516-3HA14&objec                | cttype=14&gridview=view    | <u>/1</u>                                      |  |  |
| Simulation Tool for S<br>https://support.industry | oft Starters (STS)<br>/.siemens.com/cs/ww/en/view                           | <u>v/101494917</u>         |   |                            |  |  |  |







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