# SIEMENS

#### Data sheet

### 3RW5216-1AC05



SIRIUS soft starter 200-600 V 32 A, 24 V AC/DC Screw terminals Analog output

| product brand name  | SIRIUS  |
|---|---|
| product category  | Hybrid switching devices                                    |
| product designation   | Soft starter  |
| product type designation  | 3RW52   |
| manufacturer's article number   |   |
| <ul> <li>of standard HMI module usable</li> </ul>   | <u>3RW5980-0HS00</u>  |
| <ul> <li>of high feature HMI module usable</li> </ul>   | <u>3RW5980-0HF00</u>  |
| <ul> <li>of communication module PROFINET standard usable</li> </ul>                              | <u>3RW5980-0CS00</u>  |
| <ul> <li>of communication module PROFIBUS usable</li> </ul>                                       | <u>3RW5980-0CP00</u>  |
| <ul> <li>of communication module Modbus TCP usable</li> </ul>                                     | <u>3RW5980-0CT00</u>  |
| <ul> <li>of communication module Modbus RTU usable</li> </ul>                                     | <u>3RW5980-0CR00</u>  |
| <ul> <li>of communication module Ethernet/IP</li> </ul>   | <u>3RW5980-0CE00</u>  |
| <ul> <li>of circuit breaker usable at 400 V</li> </ul>  | 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 dat

| General technical data                            |  |
|---|--|
| starting voltage [%]                              | 30 100 %   |
| stopping voltage [%]                              | 50 %; non-adjustable                                   |
| start-up ramp time of soft starter                | 0 20 s   |
| current limiting value [%] adjustable             | 130 700 %  |
| certificate of suitability                        |  |
| CE marking  | Yes  |
| UL approval                                       | Yes  |
| CSA approval                                      | Yes  |
| product component                                 |  |
| HMI-High Feature                                  | No   |
| <ul> <li>is supported HMI-Standard</li> </ul>     | Yes  |
| <ul> <li>is supported HMI-High Feature</li> </ul> | Yes  |
| product feature integrated bypass contact system  | Yes  |
| number of controlled phases                       | 3  |
| trip class  | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2 |
| buffering time in the event of power failure      |  |
| for main current circuit                          | 100 ms   |
| for control circuit                               | 100 ms   |

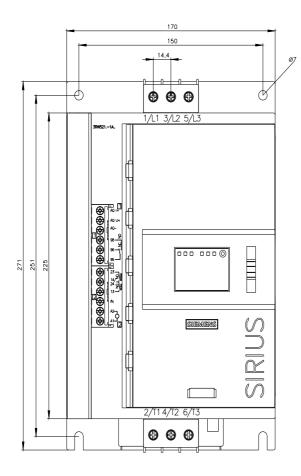
| insulation voltage rated value       600 V         degree of pollution       3, acc. to IEC 60947-4-2         impulse voltage rated value       6 kV         blocking voltage of the thyristor maximum       1 600 V         service factor       1         surge voltage resistance rated value       6 kV         maximum permissible voltage for protective separation       6 kV |        |
|--|--------|
| impulse voltage rated value       6 kV         blocking voltage of the thyristor maximum       1 600 V         service factor       1         surge voltage resistance rated value       6 kV  |        |
| blocking voltage of the thyristor maximum     1 600 V       service factor     1       surge voltage resistance rated value     6 kV   |        |
| service factor     1       surge voltage resistance rated value     6 kV   |        |
| surge voltage resistance rated value 6 kV  |        |
|  |        |
| maximum permissible voltage for protective separation  |        |
|  |        |
| between main and auxiliary circuit     600 V   |        |
| shock resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting  |        |
| vibration resistance 15 mm to 6 Hz; 2g to 500 Hz   |        |
| utilization category according to IEC 60947-4-2 AC 53a   |        |
| reference code according to IEC 81346-2 Q  |        |
| Substance Prohibitance (Date) 02/15/2018   |        |
| product function   |        |
| 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  |        |
| PROFlenergy     Yes; in connection with the PROFINET Standard communication modu   | le     |
| • firmware update Yes  |        |
| removable terminal for control circuit     Yes   |        |
| • torque control No  |        |
| analog output     Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature   | e HMI) |
| Power Electronics  |        |
| operational current  |        |
| • at 40 °C rated value 32 A  |        |
| • at 50 °C rated value 28.4 A  |        |
| at 60 °C rated value 26 A  |        |
| operational current at inside-delta circuit  |        |
| • at 40 °C rated value 55.4 A  |        |
| • at 50 °C rated value 49 A  |        |
| at 60 °C rated value     45 A  |        |
| operating voltage  |        |
| • rated value 200 600 V  |        |
| • at inside-delta circuit rated value 200 600 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 inside-delta circuit   |        |
| relative positive tolerance of the operating voltage at 10 %   |        |
| operating power for 3-phase motors   |        |
| • at 230 V at 40 °C rated value 7.5 kW   |        |
| • at 230 V at inside-delta circuit at 40 °C rated value 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  |        |
| <ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>at 500 V at 40 °C rated value</li> <li>18.5 kW</li> </ul>  |        |

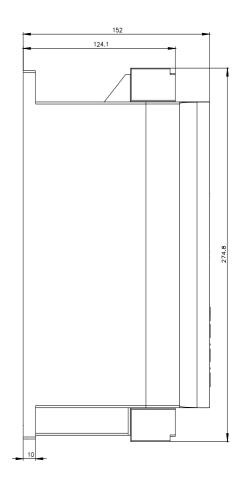
| Operating frequency 1 rated value  | 50 Hz                                  |
|--|--|
| Operating frequency 2 rated value  | 60 Hz                                  |
| relative negative tolerance of the operating frequency   | -10 %                                  |
| relative positive tolerance of the operating frequency   | 10 %                                   |
| adjustable motor current   |  |
| <ul> <li>at rotary coding switch on switch position 1</li> </ul>   | 14 A                                   |
| <ul> <li>at rotary coding switch on switch position 2</li> </ul>   | 15.2 A                                 |
| <ul> <li>at rotary coding switch on switch position 3</li> </ul>   | 16.4 A                                 |
| <ul> <li>at rotary coding switch on switch position 4</li> </ul>   | 17.6 A                                 |
| <ul> <li>at rotary coding switch on switch position 5</li> </ul>   | 18.8 A                                 |
| <ul> <li>at rotary coding switch on switch position 6</li> </ul>   | 20 A                                   |
| <ul> <li>at rotary coding switch on switch position 7</li> </ul>   | 21.2 A                                 |
| <ul> <li>at rotary coding switch on switch position 8</li> </ul>   | 22.4 A                                 |
| <ul> <li>at rotary coding switch on switch position 9</li> </ul>   | 23.6 A                                 |
| <ul> <li>at rotary coding switch on switch position 10</li> </ul>  | 24.8 A                                 |
| <ul> <li>at rotary coding switch on switch position 11</li> </ul>  | 26 A                                   |
| <ul> <li>at rotary coding switch on switch position 12</li> </ul>  | 27.2 A                                 |
| <ul> <li>at rotary coding switch on switch position 13</li> </ul>  | 28.4 A                                 |
| <ul> <li>at rotary coding switch on switch position 14</li> </ul>  | 29.6 A                                 |
| <ul> <li>at rotary coding switch on switch position 15</li> </ul>  | 30.8 A                                 |
| <ul> <li>at rotary coding switch on switch position 16</li> </ul>  | 32 A                                   |
| minimum  | 14 A                                   |
| djustable motor current  |  |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 1</li> </ul>  | 24.2 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 2</li> </ul>  | 26.3 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 3</li> </ul>  | 28.4 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 4</li> </ul>  | 30.5 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 5</li> </ul>  | 32.6 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 6</li> </ul>  | 34.6 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 7</li> </ul>  | 36.7 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 8</li> </ul>  | 38.8 A                                 |
| • for inside-delta circuit at rotary coding switch on switch position 9  | 40.9 A                                 |
| • for inside-delta circuit at rotary coding switch on switch position 10   | 43 A                                   |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 11</li> <li>for inside delta circuit at rotary coding switch on switch</li> </ul> | 45 A                                   |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>     | 47.1 A<br>49.2 A                       |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>                 | 51.3 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>                 | 53.3 A                                 |
| <ul><li>position 15</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>   | 55.4 A                                 |
| position 16<br>• at inside-delta circuit minimum   | 24.2 A                                 |
| ninimum load [%]   | 15 %; Relative to smallest settable le |
| ower loss [W] for rated value of the current at AC   |  |
| • at 40 °C after startup   | 22 W                                   |
| • at 50 °C after startup   | 21 W                                   |
| • at 60 °C after startup   | 20 W                                   |
| oower loss [W] at AC at current limitation 350 %   |  |
| • at 40 °C during startup  | 531 W                                  |
| • at 50 °C during startup  | 449 W                                  |
| • at 60 °C during startup  | 395 W                                  |

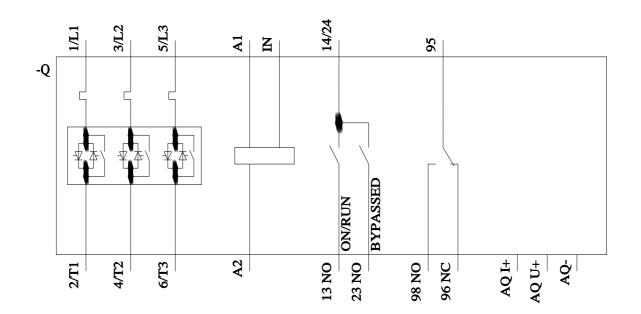
| Control circuit/ Control   |   |  |  |  |  |
|--|---|--|--|--|--|
|  |   |  |  |  |  |
| type of voltage of the control supply voltage                            | AC/DC   |  |  |  |  |
| control supply voltage at AC   | 61)/  |  |  |  |  |
| • at 50 Hz rated value   | 24 V  |  |  |  |  |
| at 60 Hz rated value   | 24 V  |  |  |  |  |
| relative negative tolerance of the control supply voltage at AC at 50 Hz | -20 %   |  |  |  |  |
| relative positive tolerance of the control supply voltage at AC at 50 Hz | 20 %  |  |  |  |  |
| relative negative tolerance of the control supply voltage at AC at 60 Hz | -20 %   |  |  |  |  |
| relative positive tolerance of the control supply voltage at AC at 60 Hz | 20 %  |  |  |  |  |
| control supply voltage frequency   | 50 60 Hz  |  |  |  |  |
| relative negative tolerance of the control supply voltage frequency      | -10 %   |  |  |  |  |
| relative positive tolerance of the control supply voltage<br>frequency   | 10 %  |  |  |  |  |
| control supply voltage   |   |  |  |  |  |
| • at DC rated value  | 24 V  |  |  |  |  |
| relative negative tolerance of the control supply voltage at DC          | -20 %   |  |  |  |  |
| relative positive tolerance of the control supply voltage at DC          | 20 %  |  |  |  |  |
| control supply current in standby mode rated value                       | 160 mA  |  |  |  |  |
| holding current in bypass operation rated value                          | 360 mA  |  |  |  |  |
| inrush current by closing the bypass contacts maximum                    | 0.75 A  |  |  |  |  |
| inrush current peak at application of control supply voltage maximum     | 3.3 A   |  |  |  |  |
| duration of inrush current peak at application of control supply voltage | 12.1 ms   |  |  |  |  |
| design of the overvoltage protection                                     | Varistor  |  |  |  |  |
| design of short-circuit protection for control circuit                   | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit  |  |  |  |  |
| design of short-circuit protection for control circuit                   | breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply                                   |  |  |  |  |
| Inputs/ Outputs  |   |  |  |  |  |
| number of digital inputs   | 1   |  |  |  |  |
| number of digital outputs  | 3   |  |  |  |  |
| not parameterizable  | 2   |  |  |  |  |
| digital output version   | 2 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   |  |  |  |  |
| at DC-13 at 24 V rated value   | 1A  |  |  |  |  |
| Installation/ mounting/ dimensions                                       |   |  |  |  |  |
|  | with vortical mounting surface 1/00° rate table with westing the surface of   |  |  |  |  |
| mounting position  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- $22.5^{\circ}$ tiltable to the front and back |  |  |  |  |
| fastening method   | screw fixing  |  |  |  |  |
| height   | 275 mm  |  |  |  |  |
| width  | 170 mm  |  |  |  |  |
| depth  | 152 mm  |  |  |  |  |
| required spacing with side-by-side mounting                              |   |  |  |  |  |
| <ul> <li>forwards</li> </ul>   | 10 mm   |  |  |  |  |
| <ul> <li>backwards</li> </ul>  | 0 mm  |  |  |  |  |
| • upwards  | 100 mm  |  |  |  |  |
| <ul> <li>downwards</li> </ul>  | 75 mm   |  |  |  |  |
| • at the side  | 5 mm  |  |  |  |  |
| weight without packaging   | 2.3 kg  |  |  |  |  |
| Connections/ Terminals   |   |  |  |  |  |
| type of electrical connection  |   |  |  |  |  |
| for main current circuit   | screw-type terminals  |  |  |  |  |
| • for control circuit  | screw-type terminals  |  |  |  |  |
| type of connectable conductor cross-sections                             |   |  |  |  |  |
| • for main contacts  |   |  |  |  |  |
|  |   |  |  |  |  |

| — solid  | 2x (1.0 2.5 mm²), 2x (2.5 10 mm²)   |  |  |  |
|--|---|--|--|--|
| <ul> <li>— finely stranded with core end processing</li> </ul>   | 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)  |  |  |  |
| <ul> <li>for AWG cables for main current circuit solid</li> </ul>  | 2x (16 12), 2x (14 8)   |  |  |  |
| type of connectable conductor cross-sections   |   |  |  |  |
| <ul> <li>for control circuit solid</li> </ul>  | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)  |  |  |  |
| <ul> <li>for control circuit finely stranded with core end processing</li> </ul>                             | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  |  |  |  |
| <ul> <li>for AWG cables for control circuit solid</li> </ul>   | 1x (20 12), 2x (20 14)  |  |  |  |
| wire length  |   |  |  |  |
| <ul> <li>between soft starter and motor maximum</li> </ul>   | 800 m   |  |  |  |
| <ul> <li>at the digital inputs at AC maximum</li> </ul>  | 100 m   |  |  |  |
| <ul> <li>at the digital inputs at DC maximum</li> </ul>  | 1 000 m   |  |  |  |
| tightening torque  |   |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>  | 2 2.5 N·m   |  |  |  |
| <ul> <li>for auxiliary and control contacts with screw-type<br/>terminals</li> </ul>                         | 0.8 1.2 N·m   |  |  |  |
| 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<br/>terminals</li> </ul>                         | 7 10.3 lbf-in   |  |  |  |
| Ambient conditions   |   |  |  |  |
| installation altitude at height above sea level maximum  | 5 000 m; Derating as of 1000 m, see catalog   |  |  |  |
| ambient temperature  |   |  |  |  |
| during operation   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above   |  |  |  |
| <ul> <li>during storage and transport</li> </ul>   | -40 +80 °C  |  |  |  |
| environmental category   |   |  |  |  |
| during operation according to IEC 60721  | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 |  |  |  |
| during storage according to IEC 60721  | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4                 |  |  |  |
| <ul> <li>during transport according to IEC 60721</li> </ul>  | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)   |  |  |  |
| EMC emitted interference   | acc. to IEC 60947-4-2: Class A  |  |  |  |
| Communication/ Protocol  |   |  |  |  |
| communication module is supported  |   |  |  |  |
| <ul> <li>PROFINET standard</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</li> </ul>   |   |  |  |  |
| <ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> </ul>                                | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA  |  |  |  |
| <ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>                                    | Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA   |  |  |  |
| <ul> <li>— usable for Standard Faults at 460/480 V at inside-<br/>delta circuit according to UL</li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA  |  |  |  |
| <ul> <li>— usable for High Faults at 460/480 V at inside-delta<br/>circuit according to UL</li> </ul>        | Siemens type: 3VA51, max. 60 A; lq max = 65 kA  |  |  |  |
| <ul> <li>— usable for Standard Faults at 575/600 V according to UL</li> </ul>                                | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA  |  |  |  |
| <ul> <li>— usable for Standard Faults at 575/600 V at inside-<br/>delta circuit according to UL</li> </ul>   | Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  |  |  |  |
| of the fuse  |   |  |  |  |
| <ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>                             | Type: Class RK5 / K5, max. 125 A; lq = 5 kA   |  |  |  |
| — usable for High Faults up to 575/600 V according to UL   | Type: Class J / L, max. 125 A; Iq = 100 kA  |  |  |  |
| <ul> <li>— usable for Standard Faults at inside-delta circuit up<br/>to 575/600 V according to UL</li> </ul> | Type: Class RK5 / K5, max. 125 A; lq = 5 kA   |  |  |  |
| <ul> <li>— usable for High Faults at inside-delta circuit up to<br/>575/600 V according to UL</li> </ul>     | Type: Class J / L, max. 125 A; lq = 100 kA  |  |  |  |
| operating power [hp] for 3-phase motors  |   |  |  |  |
|  |   |  |  |  |
| <ul> <li>at 200/208 V at 50 °C rated value</li> </ul>  | 7.5 hp  |  |  |  |
| <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul>             | 7.5 hp<br>10 hp   |  |  |  |

| <ul> <li>at 460/480 V at</li> </ul>  | 50 °C rated value  |                                       | 20 hj          | )                           |                              |                           |
|--|--|---------------------------------------|----------------|-----------------------------|------------------------------|---------------------------|
| ● at 575/600 V at  | 50 °C rated value  |                                       | 25 hj          | )                           |                              |                           |
| • at 200/208 V at  | inside-delta circuit at 50 °                             | °C rated value                        | 15 hj          | D                           |                              |                           |
| • at 220/230 V at  | inside-delta circuit at 50 °                             | °C rated value                        | 15 hj          | )                           |                              |                           |
| • at 460/480 V at  | inside-delta circuit at 50                               | °C rated value                        | 30 hp          |                             |                              |                           |
| • at 575/600 V at  | inside-delta circuit at 50                               | °C rated value                        | 40 hp          |                             |                              |                           |
| contact rating of aux  | iliary contacts accordin                                 | g to UL                               | R300           | )-B300                      |                              |                           |
| Safety related data  |  |                                       |                |                             |                              |                           |
| protection class IP o  | on the front according to                                | IEC 60529                             | IP20           |                             |                              |                           |
| touch protection on  | the front according to I                                 | EC 60529                              | finge          | r-safe, for vertical contac | ct from the front            |                           |
| electromagnetic con  | npatibility  |                                       | in ac          | cordance with IEC 6094      | 7-4-2                        |                           |
| Certificates/ approvals  |  |                                       |                |                             |                              |                           |
| General Product Ap   | proval   |                                       |                |                             |                              | EMC                       |
| (SP)<br>Car  |  | <u>Confirmatio</u>                    | <u>on</u>      | UL<br>UL                    | EHC                          | RCM                       |
| Declaration of Confe   | ormity   | Test Certificate                      | es             | Marine / Shipping           |                              |                           |
| UK<br>CA   | CE<br>EG-Konf.   | <u>Type Test Cer</u><br>ates/Test Rep |                | ABS                         | BUREAU<br>VERITAS            | Llovd's<br>Register<br>us |
| Marine / Shipping  | other  |                                       |                |                             |                              |                           |
| PRS  | <u>Confirmation</u>                                      |                                       |                |                             |                              |                           |
| Further information  |  |                                       |                |                             |                              |                           |
|  | d to exit the Russian ma                                 |                                       |                |                             |                              |                           |
| the second s | com/global/en/pressrelea                                 |                                       |                | <u>sian-business</u>        |                              |                           |
|  | on the renewal of the cu                                 |                                       |                | C certification if you inte | nd to import or offer to sup | nly these products to an  |
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| https://www.siemens.c  |  | , brochures,)                         |                |                             |                              |                           |
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| https://mail.industry.si   | emens.com/mall/en/en/Ca<br>r                             | atalog/product?mlfb                   | <u>-3KVV5</u>  | 210-1AUU5                   |                              |                           |
|  | ion.siemens.com/WW/CA                                    | Xorder/default.asp>                   | <u>k?lang=</u> | en&mlfb=3RW5216-1AC         | <u>205</u>                   |                           |
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