## **SIEMENS**

Data sheet 3RW5243-2AC15



SIRIUS soft starter 200-600 V 210 A, 110-250 V AC spring-type terminals Analog output

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of circuit breaker usable at 500 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- of the gG fuse usable at inside-delta circuit up to 500 V
- $\bullet$  of full range R fuse link for semiconductor protection usable up to 690 V
- of back-up R fuse link for semiconductor protection usable up to 690 V

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

2x3NA3354-6; Type of coordination 1, Iq = 65 kA

2x3NA3354-6; Type of coordination 1, Iq = 65 kA

3NE1230-2; Type of coordination 2, Iq = 65 kA

3NE3333; Type of coordination 2, Iq = 65 kA

## General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter current limiting value [%] adjustable certificate of suitability

- CE marking
- UL approval
- CSA approval

## product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

3

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

| <ul> <li>for main current circuit</li> </ul>   | 100 ms   |
|--|--|
| <ul> <li>for control circuit</li> </ul>  | 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 safe isolation   |  |
| <ul> <li>between main and auxiliary circuit</li> </ul>   | 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   |  |
| <ul><li>ramp-up (soft starting)</li></ul>  | 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     incide delta pizzuit   | No<br>Voc  |
| • inside-delta circuit   | Yes<br>Yes   |
| <ul><li>auto-RESET</li><li>manual RESET</li></ul>  | 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  |
| ····· ································   |  |
| PROFleneray  | Yes: in connection with the PROFINET Standard communication  |
| PROFlenergy  | Yes; in connection with the PROFINET Standard communication module   |
| <ul><li>PROFlenergy</li><li>firmware update</li></ul>  |  |
|  | module   |
| • firmware update  | module<br>Yes<br>Yes<br>No   |
| firmware update     removable terminal for control circuit   | module Yes Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature   |
| <ul> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul>   | module<br>Yes<br>Yes<br>No   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics   | module Yes Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature   |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics operational current   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics  operational current     • at 40 °C rated value   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics  operational current     • at 40 °C rated value     • at 50 °C rated value  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A   |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics  operational current     • at 40 °C rated value     • at 50 °C rated value     • at 60 °C rated value   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics  operational current     • at 40 °C rated value     • at 50 °C rated value     • at 60 °C rated value operational current at inside-delta circuit   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A   |
| • firmware update     • removable terminal for control circuit     • torque control     • analog output  Power Electronics  operational current     • at 40 °C rated value     • at 50 °C rated value     • at 60 °C rated value     • at 60 °C rated value  operational current at inside-delta circuit     • at 40 °C rated value  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     or control current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 50 °C rated value   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A   |
| • firmware update • removable terminal for control circuit • torque control • analog output  Power Electronics  operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value  operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 50 °C rated value     operating voltage   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A 294 A   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 50 °C rated value     at 60 °C rated value   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A 294 A 200 600 V   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at inside-delta circuit rated value   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A 294 A   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at inside-delta circuit rated value     relative negative tolerance of the operating voltage   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 %                                     |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 50 °C rated value     at 60 °C rated value     at inside-delta circuit rated value     relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V   |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at inside-delta circuit rated value     relative negative tolerance of the operating voltage   | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 %                                |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at 60 °C rated value     at 60 °C rated value     at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 %                                |
| firmware update         removable terminal for control circuit         torque control         analog output  Power Electronics  operational current  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 % -15 %                          |
| firmware update     removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     at 60 °C rated value  operational current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value     rated value     rated value     rated value     rated value     relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 % -15 %                          |
| • firmware update • removable terminal for control circuit • torque control • analog output  Power Electronics  operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A  364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 % -15 %                          |
| • firmware update • removable terminal for control circuit • torque control • analog output  Power Electronics  operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value  operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value  operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 % -15 % 10 %  55 kW 110 kW 110 kW |
| • firmware update • removable terminal for control circuit • torque control • analog output  Power Electronics  operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value  | module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  210 A 186 A 170 A 364 A 322 A 294 A  200 600 V 200 600 V -15 % 10 % -15 % 10 %                      |

| a at E00 V at incide dolta circuit at 40 °C rated value   | 250 kW                                 |
|---|--|
| at 500 V at inside-delta circuit at 40 °C rated value  Operating frequency 1 rated value  | 250 kW<br>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  | 10 /0                                  |
| at rotary coding switch on switch position 1  | 90 A                                   |
| at rotary coding switch on switch position 2  | 98 A                                   |
| at rotary coding switch on switch position 3  | 106 A                                  |
| at rotary coding switch on switch position 4  | 114 A                                  |
| at rotary coding switch on switch position 5  | 122 A                                  |
| at rotary coding switch on switch position 6  | 130 A                                  |
| <ul> <li>at rotary coding switch on switch position 7</li> </ul>  | 138 A                                  |
| <ul> <li>at rotary coding switch on switch position 8</li> </ul>  | 146 A                                  |
| <ul> <li>at rotary coding switch on switch position 9</li> </ul>  | 154 A                                  |
| <ul> <li>at rotary coding switch on switch position 10</li> </ul>   | 162 A                                  |
| <ul> <li>at rotary coding switch on switch position 11</li> </ul>   | 170 A                                  |
| <ul> <li>at rotary coding switch on switch position 12</li> </ul>   | 178 A                                  |
| <ul> <li>at rotary coding switch on switch position 13</li> </ul>   | 186 A                                  |
| <ul> <li>at rotary coding switch on switch position 14</li> </ul>   | 194 A                                  |
| <ul> <li>at rotary coding switch on switch position 15</li> </ul>   | 202 A                                  |
| at rotary coding switch on switch position 16   | 210 A                                  |
| • minimum   | 90 A                                   |
| adjustable motor current     for inside-delta circuit at rotary coding switch on  | 156 A                                  |
| switch position 1     for inside-delta circuit at rotary coding switch on   | 170 A                                  |
| <ul><li>switch position 2</li><li>for inside-delta circuit at rotary coding switch on</li></ul>   | 184 A                                  |
| switch position 3 • for inside-delta circuit at rotary coding switch on   | 197 A                                  |
| switch position 4     for inside-delta circuit at rotary coding switch on   | 211 A                                  |
| switch position 5  • for inside-delta circuit at rotary coding switch on  | 225 A                                  |
| switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7   | 239 A                                  |
| for inside-delta circuit at rotary coding switch on switch position 8   | 253 A                                  |
| for inside-delta circuit at rotary coding switch on switch position 9   | 267 A                                  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 10</li> </ul>  | 281 A                                  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 11</li> </ul>  | 294 A                                  |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 12</li> </ul>  | 308 A                                  |
| for inside-delta circuit at rotary coding switch on switch position 13  | 322 A                                  |
| for inside-delta circuit at rotary coding switch on switch position 14      for inside delta circuit at rotary coding switch on switch and specific delta circuit at rotary coding switch and swi | 336 A<br>350 A                         |
| <ul> <li>for inside-delta circuit at rotary coding switch on<br/>switch position 15</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>   | 364 A                                  |
| switch position 16  • at inside-delta circuit minimum   | 156 A                                  |
| minimum load [%]  | 15 %; Relative to smallest settable le |
| power loss [W] for rated value of the current at AC   | ,                                      |
| • at 40 °C after startup  | 75 W                                   |
| • at 50 °C after startup  | 68 W                                   |
| at 60 °C after startup  | 63 W                                   |
| power loss [W] at AC at current limitation 350 %  |  |
| at 40 °C during startup   | 3 562 W                                |
| at 50 °C during startup   | 2 979 W                                |
| at 60 °C during startup   | 2 617 W                                |

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  | 30 mA   |
| holding current in bypass operation rated value   | 100 mA  |
| inrush current peak at application of control supply voltage maximum  | 12.2 A  |
| duration of inrush current peak at application of control supply voltage  | 2.2 ms  |
| design of the overvoltage protection  | Varistor  |
| design of short-circuit protection for control circuit  | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature  |
|   | circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply   |
| Inputs/ Outputs   |   |
| number of digital inputs  | 1   |
| number of 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   | ο Λ   |
| • at AC-15 at 250 V rated value   | 3 A   |
| <ul><li>at AC-15 at 250 V rated value</li><li>at DC-13 at 24 V rated value</li></ul>  | 3 A<br>1 A  |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  | 1 A   |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position   | 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back   |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing   |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position   | 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back   |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing   |
| at AC-15 at 250 V rated value     at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> </ul>   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> </ul>   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm   |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> </ul>  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm   |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         height         width         depth         required spacing with side-by-side mounting         <ul> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul>   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> <li>Connections/ Terminals</li> </ul>   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm  |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg   |
| <ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         height         width         depth         required spacing with side-by-side mounting         <ul> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection         <ul> <li>for main current circuit</li> </ul> </li> </ul>  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connection bar maximum  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connection bar maximum type of connectable conductor cross-sections   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connection bar maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²)   |
| at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connection bar maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards backwards downwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connection bar maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²)   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for control circuit solid   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²)   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²)   |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end processing  | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²) 2x (0.25 1.5 mm²)                                     |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end processing at AWG cables for control circuit solid                               | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) |
| at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards  backwards  upwards  downwards  at the side  weight without packaging  Connections/ Terminals  type of electrical connection  for main current circuit  for control circuit  width of connectable conductor cross-sections  for DIN cable lug for main contacts stranded  for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections  for control circuit solid  for control circuit finely stranded with core end processing  at AWG cables for control circuit finely stranded with | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²) 2x (0.25 1.5 mm²)                                     |
| at AC-15 at 250 V rated value at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections for control circuit solid for control circuit finely stranded with core end processing at AWG cables for control circuit solid                               | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg  busbar connection spring-loaded terminals 45 mm  2x (50 240 mm²) 2x (70 240 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) |

| a the digital injust at AC moximum (pitchinning torgue)  (a) for main contacts with screw-type terminals  (b) for main contacts with screw-type terminals  (c) for main contacts with screw-type terminals  (d) for main contacts with screw-type terminals  (e) for main contacts with screw-type terminals  (f) for main contacts with screw-type terminals  (f) for main contacts with s            | • hatwoon soft starter and mater maximum                                       | 800 m  |
|--|--|--|
| sightening torque  | between soft starter and motor maximum     at the digital inputs at AC maximum | 800 m  |
| • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • during prepared terminals • durin           |  | 100 111  |
| • for auxillary and control contacts with screw-type terminals for file fuse for auxillary and control contacts with screw-type terminals for file fuse for auxillary and control contacts with screw-type for auxillary and control contacts with screw-type for auxillary and control contacts with screw-type for file fuse for auxillary and control contacts with screw-type for file fuse for auxillary and control contacts with screw-type for auxillary and control contacts with screw-type for auxillary and control contacts with screw-type for auxillary and control c            |  | 14 24 N·m  |
| teminals  tightening torque [lbf-in]  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during operation • during operation according to IEC 60721 • during operation according to IEC 60721 • during operation according to IEC 60721 • during storage according to IEC 60721 • during torage according to IEC 60721 • during torage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during torage according to IEC 60721 • during tor           |  |  |
| • for main contacts with screw-type terminals • for auxility and control contracts with screw-type torminals  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during poperation • during storage and transport • during storage and transport • during storage and transport • during storage according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  • profile Transport according to IEC 60           | terminals  | 0.0 1.2 IV III   |
| • for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient temperature • during operation  |  |  |
| Ambient conditions Installation attitude at height above sea level maximum ambient temperature  • during storage and transport  • during storage and transport  • during storage and transport  • during storage according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • EMC emitted interference  Communication module is supported  • PROFINET standard  • EtherNet/IP  • Modebus RTU  • Modebus RTU  • Modebus RTU  • Jessel for Standard Faults at 460480 V according to UL  — usable for Standard Faults at 460480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460480 V at inside-delta circuit according to UL  — usable for Standard Faults at 567600 V according to UL  — usable for Standard Faults at 5767600 V according to UL  — usable for Standard Faults at 5767600 V according to UL  — usable for Standard Faults at faiside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at faiside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 5757600 V            | 21   |  |
| Installation attitude at height above sea level maximum ambient temperature  • during storage and transport • during storage according to IEC 60721 • during transport according to IEC 60721 • PROFINET Standard • during transport according to IEC 60721 • PROFINET standard Faults at 460/480 V at inside-delta crucial according to IEC 60721 • during transport according to IEC 60721 • PROFINET standard Faults at 575/600 V according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit for the five according to IEC 60721 • profit           | ,  | 7 10.3 lbf·in  |
| ### during operation ### during storage and transport ### environmental category ### during operation according to IEC 60721 ### during operation according to IEC 60721 ### during storage according storage according to IEC 60721 ### during storage according            | Ambient conditions   |  |
| - during storage and transport - environmental category - during operation according to IEC 60721 - during storage according to IEC 60721 - during storage according to IEC 60721 - during storage according to IEC 60721 - during transport according to IEC 60721 - properties transport according to            | installation altitude at height above sea level maximum                        | 5 000 m; Derating as of 1000 m, see catalog                      |
| above environmental category  • during operation according to IEC 60721 eduring operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  Communication Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modobus RTU  • Modobus RTU  • Modobus TCP  • PROFIBUS  Pres   Bull-CSA ratings  manufacture's article number  • of circuit breaker  - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 1675/600 V according to UL  - usable for Standard Faults at put 575/600 V according to UL  - usable for Standard Faults at put 575/600 V according to UL  - usable for Standard Faults at put 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at fault and to delta circuit u           | ambient temperature  |  |
| environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication module is supported  • PROFINET standard  • PROFINET standard  • PROFISBUS  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  * Yes  * UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at 175/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at 60/480 V at 180 V C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated value  • at 400/480 V at inside-delta circuit at 50 °C rated va           | during operation   |  |
| • during operation according to IEC 60721     • during storage according to IEC 60721     • during storage according to IEC 60721     • during transport according to IEC 60722     • during transport ac                | <ul> <li>during storage and transport</li> </ul>                               | -40 +80 °C   |
| during storage according to IEC 60721  | environmental category   |  |
| e during transport according to IEC 60721  EMC emitted interference  communication Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFISUS  Modbus RTU  Modbus RTU  Nes  PROFIBUS  manifacturer's article number  of circuit breaker  - usable for Standard Faults at 460/480 V according to UL  - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta cir           | <ul> <li>during operation according to IEC 60721</li> </ul>                    |  |
| • during transport according to IEC 60721  EMC emitted interference  Communication Protocol  communication module is supported  • PROFINET standard  • EtherNevil?  • Modbus TCP  • PROFIBUS  UI/CSA ratings  manufacturer's article number  • of circuit broaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 55/600 V according to UL  — usable for Standard Faults at 56/600 V according to UL  — usable for Standard Faults at 57/600 V according to UL  — usable for Standard Faults at 57/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up           | <ul> <li>during storage according to IEC 60721</li> </ul>                      |  |
| Communication Module is supported  PROFINET standard PROFINET standard PROFINET standard EtherNet/IP Modbus TCP PROFIBUS  PROFIBUS  PROFIBUS  Wes PROFIBUS  Wes PROFIBUS  Wes PROFIBUS  Wes  ULICSA ratings  manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at 160/480 V at 160/480 V at 160/480 V at 160/480            |  | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)                      |
| communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  Tyes PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  PROFIBUS  Tyes  Tyes  PROFIBUS  Tyes            |  | acc. to IEC 60947-4-2: Class A                                   |
|  | Communication/ Protocol  |  |
| • EltherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS  ### STORGE STATINGS  ### STORGE STATING            | ••   |  |
| Modbus RTU Modbus TCP PROFIBUS Pres  Wes  Wes  Wes  UUCSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Figh Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Operating power (hpl for 3-phase motors  • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 450/480 V at inside-delta circuit at 50 °C rated value • at 450/480 V at inside-delta circuit at 50 °C rated value • at 450/480 V at inside-delta circuit at 50 °C rated value • at 450/480 V at inside-delta circuit at 50 °C rated value   |  | Yes  |
| Modbus TCP PROFIBUS  Ves Yes Yes Yes  Ves Yes  Ves Yes Yes Yes  Ves Yes  Ves Yes  Ves Yes Yes Yes  Ves Yes Yes  Ves  V   |  |  |
| ■ PROFIBUS    DL/CSA ratings   |  |  |
| manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Tigh Faults up to 575/600 V according to UL  — usable for Tigh Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Tigh Faults up to 575/600 V according to UL  — usable for Standard Faults at 50 °C rated value  at 220/230 V at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V a           |  |  |
| manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at 60/480 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 200/208 V at inside-delta circuit at 50 °C rated            |  | Yes  |
| <ul> <li>of circuit breaker  — usable for Standard Faults at 460/480 V according to UL.  — usable for High Faults at 460/480 V at inside-delta circuit according to UL.  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL.  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL.  — usable for Standard Faults at 575/600 V according to UL.  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL.  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL.  — usable for Standard Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL.  — usable for Standard Faults at inside-delta circuit up to 575/600 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 575/600 V according to UL.  • at 575/600 V according to UL.  • 510 kA  Siemens type: 3VA53, max. 400 A or 3VA</li></ul> |  |  |
| — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V a inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at 575/600 V according to UL  — usable for High Faults at 575/600 V according to UL  — usable for High Faults at 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at 160/480 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value   |  |  |
| - usable for High Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  - usable for High Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  - usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V at 50 °C rated value  • at 200/208 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 4575/600 V at inside-delta circuit at 50 °C rated value  • at 4575/600 V at inside-delta circuit at 50 °C rated value  • at 4575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  | — usable for Standard Faults at 460/480 V                                      | Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA |
| Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL            | <ul> <li>usable for High Faults at 460/480 V according</li> </ul>              |  |
| - usable for High Faults at 460/480 V at inside-delta circuit according to UL  - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for S           | — usable for Standard Faults at 460/480 V at                                   |  |
| - usable for Standard Faults at 575/600 V according to UL  - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Fligh Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for H           | — usable for High Faults at 460/480 V at inside-                               |  |
| - usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Taults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for Taults at inside-delta circuit up to 575/600 V according to UL  - usable for Standard Faults up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V accor           | — usable for Standard Faults at 575/600 V                                      |  |
| <ul> <li>of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 455/600 V at inside-delta circuit at 50 °C rated value  • at 450/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated</li></ul>  | <ul> <li>usable for Standard Faults at 575/600 V at</li> </ul>                 | Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA |
| - usable for Standard Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 200/230 V at 50 °C rated value • at 200/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value   | 3  |  |
| — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  Operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated value   | — usable for Standard Faults up to 575/600 V                                   | Type: Class J / L, max. 700 A; Iq = 10 kA                        |
| - usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 2575/600 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value  | — usable for High Faults up to 575/600 V                                       | Type: Class J / L, max. 700 A; lq = 100 kA                       |
| - usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value • at 575/600 V at inside-delta circuit at 50 °C rated value   | <ul> <li>usable for Standard Faults at inside-delta</li> </ul>                 | Type: Class J / L, max. 700 A; lq = 10 kA                        |
| operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value 60 hp  • at 220/230 V at 50 °C rated value 60 hp  • at 460/480 V at 50 °C rated value 150 hp  • at 575/600 V at 50 °C rated value 150 hp  • at 200/208 V at inside-delta circuit at 50 °C rated value 100 hp  value  • at 220/230 V at inside-delta circuit at 50 °C rated value 125 hp  value  • at 460/480 V at inside-delta circuit at 50 °C rated value 125 hp  value  • at 460/480 V at inside-delta circuit at 50 °C rated value 300 hp   | usable for High Faults at inside-delta circuit up                              | Type: Class J / L, max. 700 A; Iq = 100 kA                       |
| <ul> <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 575/600 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 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 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>   | <u> </u>   |  |
| <ul> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 575/600 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 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>   |  | CO ha  |
| <ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 575/600 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 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 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>  |  |  |
| <ul> <li>at 575/600 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 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated 300 hp</li> </ul>  |  |  |
| <ul> <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 575/600 V at inside-delta circuit at 50 °C rated value</li> <li>at 575/600 V at inside-delta circuit at 50 °C rated 300 hp</li> </ul>   |  |  |
| value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated 300 hp  |  | ·  |
| value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 575/600 V at inside-delta circuit at 50 °C rated 300 hp   | value  |  |
| value  ◆ at 575/600 V at inside-delta circuit at 50 °C rated 300 hp  | value  |  |
|  | value  |  |
| value  | <ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated</li> </ul>        | 300 hp   |

contact rating of auxiliary contacts according to UL

Safety related data

protection class IP on the front according to IEC
60529

touch protection on the front according to IEC 60529

finger-safe, for vertical contact from the front with cover

Certificates/ approvals

**General Product Approval** 

electromagnetic compatibility

EMC



Confirmation





in accordance with IEC 60947-4-2





**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5243-2AC15

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5243-2AC15}}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-2AC15

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5243-2AC15&lang=en

 $\textbf{Characteristic: Tripping characteristics, } \textbf{I}^{2}\textbf{t, Let-through current}$ 

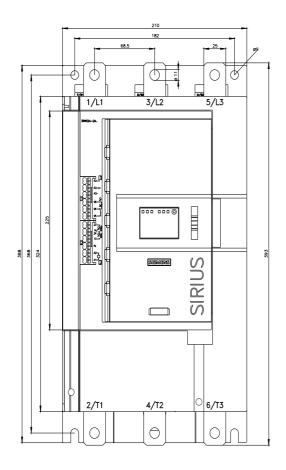
https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-2AC15/char

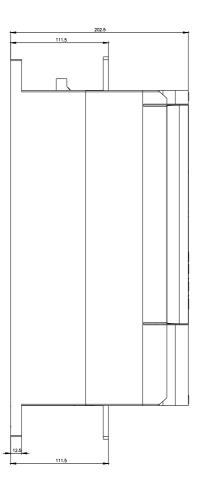
Characteristic: Installation altitude

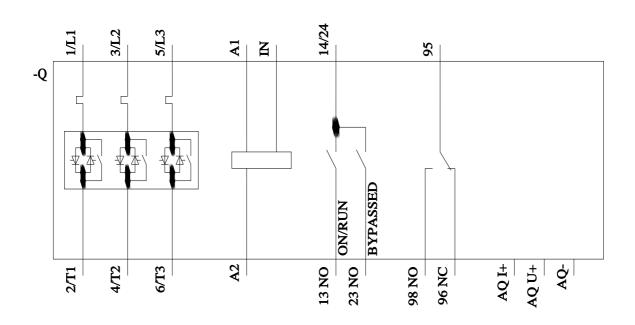
 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5243-2AC15\&objecttype=14\&gridview=view1.pdf} \\$ 

Simulation Tool for Soft Starters (STS)

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







last modified: 4/10/2022 🖸