## **SIEMENS**

product brand name product category

Data sheet 3RW5226-1TC15

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-600 V 77 A, 110-250 V AC Screw terminals Thermistor input

| product category  | Tybrid switching devices   |
|---|--|
| product designation   | Soft starter   |
| product type designation  | 3RW52  |
| manufacturer's article number   |  |
| of standard HMI module usable   | 3RW5980-0HS00  |
| of high feature HMI module usable   | 3RW5980-0HF00  |
| <ul> <li>of communication module PROFINET standard usable</li> </ul>                              | 3RW5980-0CS00  |
| <ul> <li>of communication module PROFIBUS usable</li> </ul>                                       | 3RW5980-0CP00  |
| <ul> <li>of communication module Modbus TCP usable</li> </ul>                                     | 3RW5980-0CT00  |
| <ul> <li>of communication module Modbus RTU usable</li> </ul>                                     | 3RW5980-0CR00  |
| <ul> <li>of communication module Ethernet/IP</li> </ul>   | 3RW5980-0CE00  |
| <ul> <li>of circuit breaker usable at 400 V</li> </ul>  | 3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| <ul> <li>of circuit breaker usable at 500 V</li> </ul>  | 3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10 |
| • of circuit breaker usable at 400 V at inside-delta circuit                                      | 3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10 |
| • of circuit breaker usable at 500 V at inside-delta circuit                                      | 3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10 |
| <ul> <li>of the gG fuse usable up to 690 V</li> </ul>   | 3NA3132-6; Type of coordination 1, Iq = 65 kA                    |
| • of the gG fuse usable at inside-delta circuit up to 500 V                                       | 3NA3132-6; Type of coordination 1, Iq = 65 kA                    |
| <ul> <li>of full range R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul> | 3NE1224-0; Type of coordination 2, Iq = 65 kA                    |
| <ul> <li>of back-up R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul>    | 3NE8024-1; Type of coordination 2, Iq = 65 kA                    |
| eneral technical data   |  |
| starting voltage [%]  | 30 100 %   |
| stopping voltage [%]  | 50 %; non-adjustable   |
| start-up ramp time of soft starter  | 0 20 s   |
| current limiting value [%] adjustable   | 130 700 %  |
| certificate of suitability  |  |
| CE marking  | Yes  |
| UL approval   | Yes  |
| CSA approval  | Yes  |
| product component   |  |
| HMI-High Feature  | No   |
| • is supported HMI-Standard   | Yes  |
| • is supported HMI-High Feature   | Yes  |
| product feature integrated bypass contact system  | Yes  |
| number of controlled phases   | 3  |
| Adv. stars  | CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2           |
| trip class  |  |
| buffering time in the event of power failure  |  |
| ·   | 100 ms   |

| insulation voltage rated value  | 600 V   |  |  |
|---|---|--|--|
| degree of pollution   | 3, acc. to IEC 60947-4-2  |  |  |
| impulse voltage rated value   | 5, acc. to fee 60947-4-2  |  |  |
| blocking voltage of the thyristor maximum   | 1 800 V   |  |  |
| service factor  | 1 000 V   |  |  |
| surge voltage resistance rated value  | 1<br>6 kV   |  |  |
| maximum permissible voltage for protective separation   | UNV   |  |  |
| between main and auxiliary circuit  | 600 V   |  |  |
| shock resistance  | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting                              |  |  |
| vibration resistance  | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting  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   | AC 53a  |  |  |
| Substance Prohibitance (Date)   | 02/15/2018  |  |  |
| product function  |   |  |  |
| • ramp-up (soft starting)   | Yes   |  |  |
| • ramp-down (soft stop)   | Yes   |  |  |
| Soft Torque   | Yes   |  |  |
| adjustable current limitation   | Yes   |  |  |
| pump ramp down  | Yes   |  |  |
| intrinsic device protection   | Yes   |  |  |
| motor overload protection   | Yes; Full motor protection (thermistor motor protection and electronic motor                |  |  |
|   | overload protection)  |  |  |
| <ul> <li>evaluation of thermistor motor protection</li> </ul>   | Yes; Type A PTC or Klixon / Thermoclick   |  |  |
| • inside-delta circuit  | Yes   |  |  |
| • auto-RESET  | Yes   |  |  |
| manual RESET  | Yes   |  |  |
| • remote reset  | Yes; By turning off the control supply voltage  |  |  |
| <ul> <li>communication function</li> </ul>  | Yes   |  |  |
| <ul> <li>operating measured value display</li> </ul>  | Yes; Only in conjunction with special accessories   |  |  |
| <ul><li>error logbook</li></ul>   | Yes; Only in conjunction with special accessories   |  |  |
| <ul> <li>via software parameterizable</li> </ul>  | No  |  |  |
| via software configurable   | Yes   |  |  |
| PROFlenergy   | Yes; in connection with the PROFINET Standard communication module                          |  |  |
| firmware update   | Yes   |  |  |
| <ul> <li>removable terminal for control circuit</li> </ul>  | Yes   |  |  |
| torque control  | No  |  |  |
| analog output   | No  |  |  |
| Power Electronics   |   |  |  |
| operational current   |   |  |  |
| • at 40 °C rated value  | 77 A  |  |  |
| at 50 °C rated value  | 68 A  |  |  |
| at 60 °C rated value  | 62 A  |  |  |
| operational current at inside-delta circuit   | 400.4   |  |  |
| • at 40 °C rated value  | 133 A   |  |  |
| • at 50 °C rated value  | 118 A   |  |  |
| at 60 °C rated value  | 107 A   |  |  |
| operating voltage   | 000 000 //  |  |  |
| • rated value   | 200 600 V   |  |  |
| at inside-delta circuit rated value  Taletina possitiva toloranae of the approximated to the second to the se | 200 600 V   |  |  |
| relative negative telerance of the operating voltage  | -15 %<br>-10 %  |  |  |
| relative positive tolerance of the operating voltage  | 10 %  |  |  |
| relative negative tolerance of the operating voltage at inside-delta circuit  | -15 %<br>   |  |  |
| relative positive tolerance of the operating voltage at inside-delta circuit  | 10 %  |  |  |
| operating power for 3-phase motors  |   |  |  |
| • at 230 V at 40 °C rated value   | 22 kW   |  |  |
| <ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>   | 37 kW   |  |  |
| <ul> <li>at 400 V at 40 °C rated value</li> </ul>   | 37 kW   |  |  |
| <ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>   | 75 kW   |  |  |
| <ul> <li>at 500 V at 40 °C rated value</li> </ul>   | 45 kW   |  |  |
| <ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>   | 90 kW   |  |  |

| Operating frequency 1 rated value   | 50 Hz                                  |
|---|--|
| Operating frequency 2 rated value   | 60 Hz                                  |
| relative negative tolerance of the operating frequency  | -10 %                                  |
| relative positive tolerance of the operating frequency  | 10 %                                   |
| adjustable motor current  |  |
| <ul> <li>at rotary coding switch on switch position 1</li> </ul>  | 32 A                                   |
| <ul> <li>at rotary coding switch on switch position 2</li> </ul>  | 35 A                                   |
| <ul> <li>at rotary coding switch on switch position 3</li> </ul>  | 38 A                                   |
| <ul> <li>at rotary coding switch on switch position 4</li> </ul>  | 41 A                                   |
| <ul> <li>at rotary coding switch on switch position 5</li> </ul>  | 44 A                                   |
| <ul> <li>at rotary coding switch on switch position 6</li> </ul>  | 47 A                                   |
| <ul> <li>at rotary coding switch on switch position 7</li> </ul>  | 50 A                                   |
| <ul> <li>at rotary coding switch on switch position 8</li> </ul>  | 53 A                                   |
| <ul> <li>at rotary coding switch on switch position 9</li> </ul>  | 56 A                                   |
| <ul> <li>at rotary coding switch on switch position 10</li> </ul>   | 59 A                                   |
| at rotary coding switch on switch position 11   | 62 A                                   |
| at rotary coding switch on switch position 12   | 65 A                                   |
| at rotary coding switch on switch position 13   | 68 A                                   |
| at rotary coding switch on switch position 14   | 71 A                                   |
| at rotary coding switch on switch position 15   | 74 A                                   |
| <ul> <li>at rotary coding switch on switch position 16</li> </ul>   | 77 A                                   |
| • minimum   | 32 A                                   |
| adjustable motor current  |  |
| for inside-delta circuit at rotary coding switch on switch position 1   | 55.4 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 2</li> </ul>   | 60.6 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 3</li> </ul>   | 65.8 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 4</li> </ul>   | 71 A                                   |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 5</li> </ul>   | 76.2 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 6</li> </ul>   | 81.4 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 7</li> </ul>   | 86.6 A                                 |
| for inside-delta circuit at rotary coding switch on switch<br>position 8  | 91.8 A                                 |
| <ul> <li>for inside-delta circuit at rotary coding switch on switch<br/>position 9</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul> | 97 A<br>102 A                          |
| position 10  • for inside-delta circuit at rotary coding switch on switch   | 107 A                                  |
| position 11  • for inside-delta circuit at rotary coding switch on switch   | 113 A                                  |
| position 12 • for inside-delta circuit at rotary coding switch on switch  | 118 A                                  |
| position 13 • for inside-delta circuit at rotary coding switch on switch  | 123 A                                  |
| <ul> <li>position 14</li> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>   | 128 A                                  |
| for inside-delta circuit at rotary coding switch on switch position 16  | 133 A                                  |
| at inside-delta circuit minimum   | 55.4 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  | 35 W                                   |
| at 50 °C after startup  | 32 W                                   |
| at 60 °C after startup  | 31 W                                   |
| power loss [W] at AC at current limitation 350 %  |  |
| • at 40 °C during startup   | 1 107 W                                |
| at 50 °C during startup   | 933 W                                  |
| at 60 °C during startup   | 826 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   | 75 mA  |  |  |
| inrush current by closing the bypass contacts maximum   | 2.5 A  |  |  |
| inrush current peak at application of control supply voltage  | 12.2 A   |  |  |
| maximum   |  |  |  |
| 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  | 0  |  |  |
| switching capacity current of the relay outputs   |  |  |  |
| • at AC-15 at 250 V rated value   | 3 A  |  |  |
| • at DC-13 at 24 V rated value  | 1 A  |  |  |
| Installation/ mounting/ dimensions  |  |  |  |
| mounting position   | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back   |  |  |
| fastening method  | screw fixing   |  |  |
| height  | 306 mm   |  |  |
| width   | 185 mm   |  |  |
| depth   | 203 mm   |  |  |
| required spacing with side-by-side mounting   |  |  |  |
| • forwards  | 10 mm  |  |  |
| backwards   | 0 mm   |  |  |
| • upwards   | 100 mm   |  |  |
| • downwards   | 75 mm  |  |  |
| at the side   | 5 mm   |  |  |
| weight without packaging  | 5.6 kg   |  |  |
| Connections/ Terminals  |  |  |  |
| type of electrical connection   |  |  |  |
| 770 0. 0.0001001 001110001011   | box terminal   |  |  |
| for main current circuit  |  |  |  |
| for main current circuit     for control circuit  | screw-type terminals   |  |  |
| • for control circuit   | screw-type terminals   |  |  |
| for control circuit     width of connection bar maximum   | screw-type terminals 25 mm   |  |  |
| for control circuit  width of connection bar maximum  wire length for thermistor connection   | 25 mm  |  |  |
| for control circuit  width of connection bar maximum  wire length for thermistor connection      with conductor cross-section = 0.5 mm² maximum   | 25 mm 50 m   |  |  |
| for control circuit  width of connection bar maximum  wire length for thermistor connection      with conductor cross-section = 0.5 mm² maximum      with conductor cross-section = 1.5 mm² maximum | 25 mm 50 m 150 m   |  |  |
| for control circuit  width of connection bar maximum  wire length for thermistor connection      with conductor cross-section = 0.5 mm² maximum   | 25 mm 50 m   |  |  |

| • for main contacts for bots terminal using the foot clamping point stranded • for main contacts for bots terminal using the back clamping point of the main contacts for bots terminal using the back clamping point of the main contacts for bots terminal using both clamping point of the main contacts for bots terminal using both clamping point of the main contacts for bots terminal using both clamping point of the main contacts for bots terminal using both clamping point stranded with core and processing of the main contacts for bots terminal using the back clamping point stranded with core and processing of the main contacts for bots terminal using the back clamping point stranded with core and processing of the main contacts for bots terminal using the back clamping point stranded with core and processing of the main contacts for bots terminal using the back clamping point stranded with core and processing of the main contacts for bots terminal using the back clamping point stranded with core and processing of the main contacts with screw-type demonstrated for bots terminal using the back clamping point stranded with core and processing of the control crout stold to the control crout stold to the control crout stold to the control of crout stold to the control crout stold to the control of crout stold with core and processing to control crout stold to the control of crout stold to the control  | <ul> <li>for main contacts for box terminal using the front<br/>clamping point finely stranded with core end processing</li> </ul>  | 1x (2.5 50 mm²)  |  |  |
|--|---|--|--|--|
| * For main contacts for box terminal using the back clamping point solid   1x (10 20)   1x (10 20  | for main contacts for box terminal using the front  | 1x (10 70 mm²)   |  |  |
| • for AVIC cables for main contacts for box terminal using the back camping point is cold.  • for main contacts for box terminal using both damping points facility of the processing points facility stranded with core and processing contribution.  • for main contacts for box terminal using both damping points facility stranded with core and processing contribution.  • for main contacts for box terminal using both damping points facility and the processing contribution.  • for main contacts for box terminal using both damping points stranded with core and processing damping point stranded with core and processing contribution.  • for control circuit solid  • for main contacts with stranded with core and processing control solid in the digital inputs at AC maximum  • for main contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for availary and control contacts with screw-type terminals  • for   | for main contacts for box terminal using the back   | 1x (2.5 16 mm²)  |  |  |
| For main contacts for box terminal using both clamping points field year formation or strated with once and processing of the main contacts for box terminal using both clamping points field year formed with core of processing of for main contacts for box terminal using the back clamping point field year field with core end processing of for main contacts for box terminal using the back clamping point stranded the core end processing of for main contacts for box terminal using the back clamping point stranded the core end processing of connectable conductor cross-sections of connectable conductor cross-sections of cornectable cornec  | • for AWG cables for main contacts for box terminal using   | 1x (10 2/0)  |  |  |
| • for main contacts for box terminal using both damping points finely standed with core end processing of the main contacts for box terminal using the back clamping point standed  • for main contacts for box terminal using the back clamping point standed  • for main contacts for box terminal using the back clamping point standed  • for main contacts for box terminal using the back clamping point standed  • for control circuit field  • for control circuit solid  • for cardinal starter and motor maximum  • at the digital inputs at AC maximum  • at the digital inputs at AC maximum  • at the digital inputs at AC maximum  • for main contacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for main contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for auxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortacts with screw-type terminals  • for maxiliary and control cortac  | for main contacts for box terminal using both clamping  | 2x (2.5 16 mm²)  |  |  |
| • for main contacts for box terminal using both clamping points strainede  • for main contacts for box terminal using the back clamping point finely strained with core end processing  • for main contacts for box terminal using the back clamping point strained  1ype of connectable conductor cross-sections  • for control circuit finely strained with core end processing  • for AVC cables for control circuit finely strained with core end processing  • for AVC cables for control circuit finely strained with core end processing  • for AVC cables for control circuit sold  • for main contacts with screw-type terminals  • for main conta  | for main contacts for box terminal using both clamping  | 2x (2.5 35 mm²)  |  |  |
| clamping point finely stranded with core end processing  | for main contacts for box terminal using both clamping  | 2x (6 16 mm²), 2x (10 50 mm²)  |  |  |
| damping point stranded  type of connectable conductor cross-sections  • for control circuit solid  • for solid sales for control contacts with  • between soft starter and motor maximum  • for subliainy and control contacts with screw-type terminals  • for subliainy and control contacts with screw-type terminals  • for main contacts with screw-type terminals  • for subliainy and control contacts with screw-type  • for main contacts with screw-type terminals  • for subliainy and control contacts with screw-type  • for main contacts with screw-type terminals  • for subliainy and control contacts with screw-type  • for main contacts with screw-type terminals  • for subliainy and control contacts with screw-type  • for main contacts with screw-type terminals  • for subliain control terminals  • for main contacts with screw-type terminals  • for main contacts with screw-type terminals  • for  |   | 1x (2.5 50 mm²)  |  |  |
| • for control circuit finely stranded with core end processing to control circuit finely stranded with core end processing to for AVRC cables for control circuit finely stranded with core end processing to for AVRC cables for south circuit solid wire length  • between soft starfer and motor maximum  • at the digital inputs at AC maximum  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts wit  | · ·   | 1x (10 70 mm²)   |  |  |
| • for control circuit finely stranded with core end processing • for AWG cables for control circuit solid  **To AWG cables for control contacts with screw-type terminals  **To awalising and control contacts with screw-type terminals  • for main contacts with screw-type terminals  • for auxiliary and control contact  | type of connectable conductor cross-sections  |  |  |  |
| • for AWG cables for control circuit solid wire length • between soft starter and motor maximum • at the digital inputs at AC maximum 100 m  • at the digital inputs at AC maximum • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts wi  | <ul> <li>for control circuit solid</li> </ul>   | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)   |  |  |
| wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  100 m  tightoning torque  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  terminals  tightoning torque (librin]  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  terminals  45 6 N·m  0.8 1.2 N·m  terminals  40 53 librin  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  terminals  Amblent conditions  installation altitude at height above sea level maximum  • during operation  • during storage and transport  • during storage and transport  • during storage and transport  • during storage according to IEC 60721  • during transport according to IEC 60721  • PROFINET standard  • PROFINET stand   | <ul> <li>for control circuit finely stranded with core end processing</li> </ul>  | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)   |  |  |
| between soft starter and motor maximum     at the digital inputs at AC maximum     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type     terminals     for auxiliary and control contacts with screw-type     terminals     for or auxiliary and control contacts with screw-type     terminals     for or auxiliary and control contacts with screw-type     terminals     for or auxiliary and control contacts with screw-type     terminals     for for auxiliary and control contacts with screw-type     terminals     for for auxiliary and control contacts with screw-type     terminals     for or auxiliary and control contacts with screw-type     terminals     for auxiliary and control contacts with screw-type     for auxiliary and control contacts with screw-type     for auxiliary and control contacts with screw-type     for 500 mm. To auxiliary and control contacts with screw-type     for 600 mm. Detailing as of 1000 mm, see catalog     ambient conditions     for 600 mm. Detailing as of 1000 mm, see catalog     ambient conditions     for 600 mm. Detailing as of 1000 mm, see catalog     ambient conditions     for 600 mm. Detailing as of 1000 mm, see catalog     ambient conditions and temperatures of 40 °C or above     -40 mm for 60 mm for 60 mm for 600 mm for 6  | for AWG cables for control circuit solid  | 1x (20 12), 2x (20 14)   |  |  |
| * at the digital inputs at AC maximum      * tightening forque     * of main contacts with screw-type terminals     * of or auxiliary and control contacts with screw-type     * eminals  * of or auxiliary and control contacts with screw-type     * tightening forque (libf-in)     * of or main contacts with screw-type terminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or auxiliary and control contacts with screw-type     * eminals     * of or contacts with screw-type     * of or contacts with screw-type     * eminals     * of or contacts with screw-type     * eminals     * of or standard Faults at 460/480 V according to LC do not be supported     * export such and screen such and scr  | wire length   |  |  |  |
| tightening torque  • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for for main contacts with screw-type terminals • for for main control on the screw-type terminals • for for main control on the screw-type terminals • for   | <ul> <li>between soft starter and motor maximum</li> </ul>  | 800 m  |  |  |
| • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals  Antibent conditions  installation altitude at height above sea level maximum  ambient temperature • during operation • during storage and transport • during storage and transport • during storage according to IEC 60721 • during thrasport according to IEC 60721  EMC emitted interference • during thrasport according to IEC 60721  EMC emitted interference  Communication Protocol  Communication Protocol  Communication Protocol  Communication region and the supported • PROFIBUS  PROFIBUS   Tyes  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 insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit 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 circu  | at the digital inputs at AC maximum   | 100 m  |  |  |
| tightening torque (libf·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 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  eduring transport according to IEC 60721  EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication Protocol  Communication Protocol  Communication Module is supported  PROFINET's standard  PROFINED'  PROFIBUS  Ves  ULCSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Flandard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at inside-  delta circuit according to U.  usable for Standard Faults at 575/600 V at inside-  delta circuit according to U.  usable for Standard Faults at 575/600 V at inside-  delta circuit according to U.  usable for Standard Faults at 575/600 V at inside-   | tightening torque   |  |  |  |
| tightening torque [lbf-in]  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • during control temperature • during operation • during storage and transport • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport accord   | <ul> <li>for main contacts with screw-type terminals</li> </ul>   | 4.5 6 N·m  |  |  |
| tightening torque [lbf-in]  • for main contacts with screw-type terminals • for awailiary and control contacts with screw-type terminals  Ambient conditions  Installation altitude at height above sea level maximum  ambient temperature • during operation • during operation • during storage and transport  • during storage according to IEC 60721 • during transport according to IEC 60721 • ZKZ, ZZI, ZSI, ZMZ (max. fall height 0.3 m)  EMC emitted interference  communication module is supported • PROFINET standard • PROFINET standard • PROFINET standard • PROFINES  Ves  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 insidedelta circuit according to UL — usable for High Faults at 460/480 V at insidedelta circuit according to UL — usable for High Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta circuit according to UL — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL — us   | <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>  | 0.8 1.2 N·m  |  |  |
| for main confacts with screw-type terminals  | terminals   |  |  |  |
| * for auxiliary and control contacts with screw-type terminals  Ambient conditions  Installation allitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during operation according to IEC 60721  • during operation 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  **EMC emitted interference  **Communication Protocol**  **Communication Protocol**  **Communication Protocol**  **Communication module is supported*  • PROFIBUS  **PROFIBUS  **UCSA 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 accoording to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit accoording to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit accoording to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit accoording to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles according to UL  — usable for Standard Faults at 575/600 V at inside-seles acco  |   |  |  |  |
| Ambient conditions  installation attitude at height above sea level maximum  ambient temperature  during operation  during operation  during storage and transport  during operation according to IEC 60721  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  EMC emitted interference  communication/ Protocol  communication/ Protocol  communication/ Protocol  communication module is supported  PROFINET standard  EtherNetrIP  Modbus RTU  Modbus RTU  PROFIBUS  ULCSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Indian 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 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 at 575/600 V at inside-side in the device is a fixed and successible for Standard Faults at 575/600 V at inside-side in the devices), 1000 m, see catalog  25 +60 °C; Please observe derating at temperatures of 40 °C or above  -40 +80 °C  eduring transport according to the circuit according to IEC 60721  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 152 (sand must not get into the devices), 3M6  (no ice formation, only occasional condensation, 10, 20 (no salt mist), 152 (sand must not get into the devices), 1M6  (noi of or or above  -40 +80 °C  emvision (noi of or mation, only occasional condensation, 10, 20 (no salt mist), 152 (sand must not get into the devices), 1M6  (noi of or mation, only occasional condensation, 10, 20 (no salt mist), 152 (sand must not get into the devices), 1M6  (noi of or mation, only occasional condensation, 10, 20 (no salt mist), 10, 20 (no salt mist), 10, 20 (no salt mist), 10, 20 (no s   | <ul> <li>for main contacts with screw-type terminals</li> </ul>   | 40 53 lbf·in   |  |  |
| installation altitude at height above sea level maximum  ambient temperature  during operation  during storage and transport  eduring storage and transport  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  EMC emitted interference  communication Protocol  communic   |   | 7 10.3 lbf·in  |  |  |
| ambient temperature  • during operation  • during storage and transport  • during storage and transport  • 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  • during transport according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  • acc. to IEC 60947-4-2: Class A   Communication module is supported  • PROFINET standard  • PROFIBUS  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 4575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 4575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  —  | Ambient conditions  |  |  |  |
| <ul> <li>during operation</li> <li>during storage and transport</li> <li>40 +80 °C; Please observe derating at temperatures of 40 °C or above 40 +80 °C</li> <li>environmental category</li> <li>during operation according to IEC 60721</li> <li>3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6</li> <li>during storage according to IEC 60721</li> <li>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport according to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>EMC emitted interference</li> <li>communication/ Protocol</li> <li>communication module is supported</li> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 4575/600 V according to UL</li> <li>usable for Standard Faults at 4575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> </ul>  |   |  |  |  |
| 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     during   |   | 5 000 m; Derating as of 1000 m, see catalog  |  |  |
| environmental category  • during operation 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  • EMC emitted interference  • proprincation/ Protocol  communication/ Protocol  • PROFINET standard  • PROFIBUS  • Modbus RTU  • Modbus RTU  • PROFIBUS   * PROFIBUS  * PROFIBUS  * Ves  • Ves  • PROFIBUS  * Ves  •  | installation altitude at height above sea level maximum   | 5 000 m; Derating as of 1000 m, see catalog  |  |  |
| <ul> <li>during operation according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>during storage according to IEC 60721</li> <li>1K6 (only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6</li> <li>during transport according to IEC 60721</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>acc. to IEC 60947-4-2: Class A</li> </ul> EMC emitted interference <ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Yes</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> </ul> Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens typ  | installation altitude at height above sea level maximum ambient temperature   |  |  |  |
| (sand must not get into the devices), 3M6  • during storage according to IEC 60721  • during transport according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication/ Protocol  communication module is supported  • PROFINET standard  • PROFINET standard  • PROFIBUS  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta 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 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 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable   | installation altitude at height above sea level maximum  ambient temperature  • during operation  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above  |  |  |
| Inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  EMC emitted interference acc. to IEC 60947-4-2: Class A  Communication/ Protocol  communication module is supported  PROFINET standard Yes  EtherNet/IP Yes  Modbus RTU Yes  Modbus TCP Yes  PROFIBUS Yes  UL/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 insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 450/480 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 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  | installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above  |  |  |
| EMC emitted interference  communication/ Protocol  communication module is supported  PROFINET standard PROFINET standard Stehenket/IP Modbus RTU PROFIBUS PROFIBUS  UL/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 insidedelta circuit according to UL — usable for High Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta circuit according to UL — usable for Standard Faults at 450/480 V at insidedelta 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- Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  environmental category  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2  |  |  |
| communication module is supported  PROFINET standard PROFINET standard PROFINET standard Pres Modbus RTU Pres Modbus RTU Pres PROFIBUS PROFIBUS PROFIBUS PROFIBUS Pres  UL/CSA ratings  manufacturer's article number Of circuit breaker Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA   | installation altitude at height above sea level maximum ambient temperature   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get  |  |  |
| communication module is supported  PROFINET standard  PROFINET standard  Pres  ItherNet/IP  Modbus RTU  Pres  Modbus RTU  PROFIBUS  PROFIBUS  Wes  PROFIBUS  Wes  UL/CSA ratings  manufacturer's article number  Of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta 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 at inside-  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4   |  |  |
| PROFINET standard  EtherNet/IP  Modbus RTU  Modbus RTU  Modbus TCP  PROFIBUS  Wes  PROFIBUS  Wes  Ves  Ves  Ves  Ves  Ves  Ves  Ves  | installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |  |  |
| EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS     Yes  UL/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 insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for Standard Faults at 460/480 V at insidedelta 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-      siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA   | installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |  |  |
| <ul> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>Modbus TCP</li> <li>Yes</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> <li>Siemens type: 3VA51, max. 125 A; Iq = 10 kA</li> </ul>   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  Communication/ Protocol   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  |  |  |
| Nodbus TCP     PROFIBUS     Yes  UL/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 according to UL     — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta circuit according to UL     — usable for High Faults at 460/480 V at insidedelta 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 at inside-     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA     Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category • during operation 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   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  |  |  |
| ● PROFIBUS  WL/CSA ratings  manufacturer's article number  ● of circuit breaker  — 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 insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta 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-standard Faults at 575/600 V at inside-standard Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  |  |  |
| manufacturer's article number  • of circuit breaker  — 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 insidedlate circuit according to UL  — usable for High Faults at 460/480 V at insidedlate circuit according to UL  — usable for High Faults at 460/480 V at insidedlate circuit according to UL  — usable for High Faults at 460/480 V at insidedlate 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-  Siemens type: 3VA51, max. 125 A; Iq max = 65 kA  Siemens type: 3VA51, max. 125 A; Iq max = 65 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  |  |  |
| manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at insidedlate circuit according to UL  — usable for High Faults at 460/480 V at insidedlate circuit according to UL  — usable for High Faults at 460/480 V at insidedlate circuit according to UL  — usable for Standard Faults at 460/480 V at insidedlate circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at insidedlate to UL  — usable for Standard Faults at 575/600 V at insidedlate Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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  • Modbus RTU  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  |  |  |
| <ul> <li>• of circuit breaker  — 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 insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at insidesemble for Standard Faults at</li></ul>  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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 • Modbus RTU • Modbus TCP   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes  Yes  |  |  |
| <ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li>— usable for Standard Faults at 575/600 V at insidestorular to UL</li> <li< td=""><td>installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category • during operation 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 • Modbus RTU • Modbus TCP • PROFIBUS</td><td>-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes</td></li<></ul> | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category • during operation 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 • Modbus RTU • Modbus TCP • PROFIBUS   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes   |  |  |
| to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at insidedelta 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-  Siemens type: 3VA51, max. 125 A; Iq max = 65 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes   |  |  |
| <ul> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-side side sides at 575/600 V at inside-sides at 57</li></ul>   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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 • Modbus RTU • Modbus TCP • PROFIBUS  UL/CSA ratings  manufacturer's article number   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes  Yes  |  |  |
| 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-  — usable for Standard Faults at 575/600 V at inside-  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes  Yes  Yes  Yes  Yes   |  |  |
| 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-  — usable for Standard Faults at 575/600 V at inside-  Siemens type: 3VA51, max. 125 A; Iq = 10 kA  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Yes   |  |  |
| to UL  — usable for Standard Faults at 575/600 V at inside-  Siemens type: 3VA51, max. 125 A; Iq = 10 kA   | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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 • Modbus RTU • Modbus TCP • PROFIBUS  UL/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-   | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA  Siemens type: 3VA51, max. 125 A; Iq max = 65 kA  |  |  |
| <b>71</b>  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/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 insidedelta circuit according to UL  — usable for High Faults at 460/480 V at insidedelta  | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA Siemens type: 3VA51, max. 125 A; Iq = 10 kA     |  |  |
|  | installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage and transport  environmental category  • during operation 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 • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS  UL/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 insidedelta circuit according to UL — usable for High Faults at 460/480 V at insidedelta circuit according to UL — usable for High Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 460/480 V at insidedelta circuit according to UL — usable for Standard Faults at 575/600 V according | -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C  3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4  2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  acc. to IEC 60947-4-2: Class A  Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; Iq = 10 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA Siemens type: 3VA51, max. 125 A; Iq max = 65 kA |  |  |

| of the fuse  |   |     |
|--|---|-----|
| <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>                             | Type: Class RK5 / K5, max. 250 A; Iq = 10 kA                |     |
| <ul> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul>                               | Type: Class J / L, max. 250 A; Iq = 100 kA                  |     |
| <ul> <li>usable for Standard Faults at inside-delta circuit up<br/>to 575/600 V according to UL</li> </ul> | Type: Class RK5 / K5, max. 250 A; Iq = 10 kA                |     |
| <ul> <li>usable for High Faults at inside-delta circuit up to<br/>575/600 V according to UL</li> </ul>     | Type: Class J / L, max. 250 A; Iq = 100 kA                  |     |
| operating power [hp] for 3-phase motors  |   |     |
| <ul> <li>at 200/208 V at 50 °C rated value</li> </ul>  | 20 hp   |     |
| <ul> <li>at 220/230 V at 50 °C rated value</li> </ul>  | 25 hp   |     |
| <ul> <li>at 460/480 V at 50 °C rated value</li> </ul>  | 50 hp   |     |
| <ul> <li>at 575/600 V at 50 °C rated value</li> </ul>  | 60 hp   |     |
| <ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>                              | 30 hp   |     |
| <ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>                              | 40 hp   |     |
| <ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>                              | 75 hp   |     |
| • at 575/600 V at inside-delta circuit at 50 °C rated value  | 100 hp  |     |
| contact rating of auxiliary contacts according to UL   | R300-B300   |     |
| Safety related data  |   |     |
| protection class IP on the front according to IEC 60529  | IP00; IP20 with cover                                       |     |
| touch protection on the front according to IEC 60529   | finger-safe, for vertical contact from the front with cover |     |
| electromagnetic compatibility  | in accordance with IEC 60947-4-2                            |     |
| Certificates/ approvals  |   |     |
| General Product Approval   |   | EMC |





Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW5226-1TC15

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5226-1TC15}$ 

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

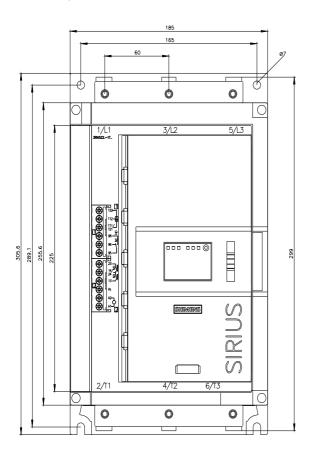
https://support.industry.siemens.com/cs/ww/en/ps/3RW5226-1TC15

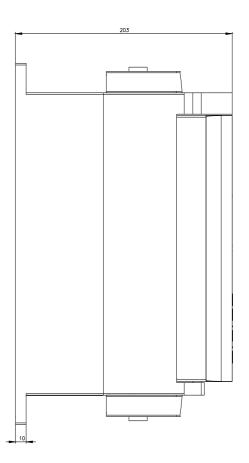
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

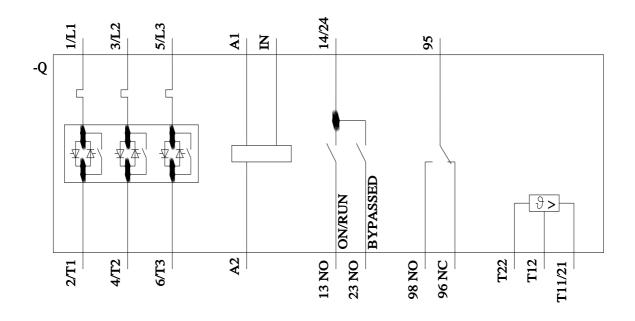
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5226-1TC15&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5226-1TC15/char

Characteristic: Installation altitude







last modified: 1/14/2023 🖸

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