## **SIEMENS**

Data sheet 3RW5056-2TB04

SIRIUS



SIRIUS soft starter 200-480 V 171 A, 24 V AC/DC Spring-loaded terminals Thermistor input

Figure similar

product brand name

| product category  | Hybrid switching devices                             |
|---|--|
| product designation   | Soft starter   |
| product type designation  | 3RW50  |
| manufacturer's article number   |  |
| <ul> <li>of standard HMI module usable</li> </ul>   | <u>3RW5980-0HS01</u>                                 |
| <ul> <li>of high feature HMI module usable</li> </ul>   | 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>  | 3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA |
| <ul> <li>of circuit breaker usable at 500 V</li> </ul>  | 3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA |
| <ul> <li>of the gG fuse usable up to 690 V</li> </ul>   | 3NA3244-6; 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> | 3NE1 230-0; 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>    | 3NE3 335; Type of coordination 2, Iq = 65 kA         |
| <ul> <li>of line contactor usable up to 480 V</li> </ul>  | <u>3RT1056</u>                                       |
| <ul> <li>of line contactor usable up to 690 V</li> </ul>  | <u>3RT1064</u>                                       |
| General technical data  |  |
| starting voltage [%]  | 30 100 %   |
| stopping voltage [%]  | 50 50 %  |
| start-up ramp time of soft starter  | 0 20 s   |
| ramp-down time of soft starter  | 0 20 s   |
| current limiting value [%] adjustable   | 130 700 %  |
| accuracy class acc. to IEC 61557-12   | 5 %  |
| certificate of suitability  |  |
| <ul> <li>CE marking</li> </ul>  | Yes  |
| <ul> <li>UL approval</li> </ul>   | Yes  |
| CSA approval  | Yes  |
| product component is supported  |  |
| HMI-Standard  | Yes  |
| HMI-High Feature  | Yes  |
| product feature integrated bypass contact system  | Yes  |
| number of controlled phases   | 2  |
|   |  |

| trip class   | CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2   |
|--|---|
| buffering time in the event of power failure                     |   |
| for main current circuit   | 100 ms  |
| for control circuit  | 100 ms  |
| insulation voltage rated value                                   | 600 V   |
| degree of pollution  | 3, acc. to IEC 60947-4-2  |
| impulse voltage rated value                                      | 6 kV  |
| blocking voltage of the thyristor maximum                        | 1 400 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   |
| reference code acc. to IEC 81346-2                               | Q   |
| Substance Prohibitance (Date)                                    | 23.09.2019 00:00:00   |
| 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   |
| auto-RESET   | Yes   |
| manual RESET   | Yes   |
| • remote reset   | Yes; By turning off the control supply voltage  |
| communication function   | Yes   |
|  |   |
| operating measured value display     orror lagbook               | Yes; Only in conjunction with special accessories Yes; Only in conjunction with special accessories |
| error logbook     via poftware peremeterizable                   |   |
| via software parameterizable                                     | No<br>V   |
| via software configurable  | Yes   |
| PROFlenergy  | Yes; in connection with the PROFINET Standard communication module                                  |
| <ul><li>voltage ramp</li></ul>                                   | Yes   |
| torque control   | No  |
| analog output  | No  |
| Power Electronics  |   |
| operational current  |   |
| <ul> <li>at 40 °C rated value</li> </ul>                         | 171 A   |
| <ul> <li>at 50 °C rated value</li> </ul>                         | 153 A   |
| at 60 °C rated value   | 141 A   |
| operating voltage  |   |
| rated value  | 200 480 V   |
| relative negative tolerance of the operating voltage             | -15 %   |
| relative positive tolerance of the operating voltage             | 10 %  |
| operating power for 3-phase motors                               |   |
| <ul> <li>at 230 V at 40 °C rated value</li> </ul>                | 45 kW   |
| at 400 V at 40 °C rated value                                    | 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> | 81 A  |
| at rotary coding switch on switch position 2                     | 87 A  |
| <ul> <li>at rotary coding switch on switch position 3</li> </ul> | 93 A  |
| •  |   |

|  | circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply |
|--|---|
| 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                                  |
| design of the overvoltage protection   | Varistor  |
| duration of inrush current peak at application of control supply voltage   | 12.1 ms   |
| inrush current peak at application of control supply voltage maximum   | 3.3 A   |
| locked-rotor current at close of bypass contact maximum  | 7.6 A   |
| holding current in bypass operation rated value  | 360 mA  |
| control supply current in standby mode rated value   | 160 mA  |
| relative positive tolerance of the control supply voltage at DC  | 20 %  |
| relative negative tolerance of the control supply voltage at DC  | -20 %   |
| at DC rated value  | 24 V  |
| control supply voltage   |   |
| relative positive tolerance of the control supply voltage frequency  | 10 %  |
| relative negative tolerance of the control supply voltage frequency  | -10 %   |
| control supply voltage frequency   | 50 60 Hz  |
| relative positive tolerance of the control supply voltage at AC at 60 Hz   | 20 %  |
| relative negative tolerance of the control supply voltage at AC at 60 Hz   | -20 %   |
| relative positive tolerance of the control supply voltage at AC at 50 Hz   | 20 %  |
| relative negative tolerance of the control supply voltage at AC at 50 Hz   | -20 %   |
| at 60 Hz rated value   | 24 V  |
| at 50 Hz rated value   | 24 V  |
| control supply voltage at AC   |   |
| type of voltage of the control supply voltage  | AC/DC   |
| Control circuit/ Control   |   |
| type of the motor protection   | Electronic, tripping in the event of thermal overload of the motor                                      |
| at 60 °C during startup      at 60 °C during startup   | 1 308 W   |
| at 40 °C during startup      at 50 °C during startup   | 1 751 W   |
| power loss [W] at AC at current limitation 350 %  • at 40 °C during startup  | 1 751 W   |
| • at 60 °C after startup   | 20 W  |
| at 50 °C after startup     at 60 °C after startup  | 23 W  |
| • at 40 °C after startup   | 29 W  |
| power loss [W] for rated value of the current at AC  |   |
| minimum load [%]   | 15 %; Relative to smallest settable le  |
| • minimum  | 81 A  |
| at rotary coding switch on switch position 16  | 171 A   |
| at rotary coding switch on switch position 15  | 165 A   |
| at rotary coding switch on switch position 14  | 159 A   |
| at rotary coding switch on switch position 12     at rotary coding switch on switch position 13                          | 153 A   |
| at rotary coding switch on switch position 11     at rotary coding switch on switch position 12                          | 141 A   |
| <ul> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> </ul> | 135 A<br>141 A  |
| at rotary coding switch on switch position 9     at rotary coding switch on switch position 10                           | 129 A   |
| at rotary coding switch on switch position 8     at rotary coding switch on switch position 9                            | 123 A   |
| at rotary coding switch on switch position 7     at rotary coding switch on switch position 9                            | 117 A   |
| at rotary coding switch on switch position 6   | 111 A   |
| <ul> <li>at rotary coding switch on switch position 5</li> </ul>   | 105 A   |
|  |   |

| number of digital inputs  | 1   |
|---|---|
| number of inputs for thermistor connection  | 1; Type A PTC or Klixon / Thermoclick                                   |
| number of digital outputs   | 3   |
| <ul> <li>not parameterizable</li> </ul>   | 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  | 198 mm  |
| width   | 120 mm  |
| depth   | 249 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  | 5.2 kg  |
| Connections/ Terminals  |   |
| type of electrical connection   |   |
| for main current circuit  | busbar connection   |
| for control circuit   | spring-loaded terminals   |
| width of connection bar maximum   | 25 mm   |
| wire length for thermistor connection   |   |
| <ul> <li>with conductor cross-section = 0.5 mm² maximum</li> </ul>  | 50 m  |
| <ul> <li>with conductor cross-section = 1.5 mm² maximum</li> </ul>  | 150 m   |
| with conductor cross-section = 2.5 mm² maximum  | 250 m   |
| type of connectable conductor cross-sections  |   |
| for main contacts for box terminal using the front clamping point solid   | 16 120 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point finely stranded with core end<br/>processing</li> </ul>    | 16 120 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point finely stranded without core end<br/>processing</li> </ul> | 10 120 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point stranded</li> </ul>  | 16 70 mm²   |
| <ul> <li>at AWG cables for main contacts for box terminal<br/>using the front clamping point</li> </ul>                                   | 6 250 kcmil   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point solid</li> </ul>  | 16 120 mm²  |
| <ul> <li>at AWG cables for main contacts for box terminal<br/>using the back clamping point</li> </ul>                                    | 6 250 kcmil   |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points solid</li> </ul>   | max. 1x 95 mm², 1x 120 mm²  |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points finely stranded with core end<br/>processing</li> </ul>        | max. 1x 95 mm², 1x 120 mm²  |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points finely stranded without core end<br/>processing</li> </ul>     | max. 1x 95 mm², 1x 120 mm²  |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points stranded</li> </ul>  | max. 2x 120 mm²   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point finely stranded with core end<br/>processing</li> </ul>     | 16 120 mm²  |

| • for main contacts for box terminal using the back clamping point finely stranded without core and processing • for main contacts for box terminal using the back clamping point stranded  Vype of connectable conductor cross-sections • in AWG cables for main current criorit solid • for DN cable lug for main contacts stranded • for DN cable lug for main contacts stranded • for control circuit solid • for control circuit solid • for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for control circuit finely stranded with core end processing • for awalling and control contacts with screw-type terminals • between soft stafer and motor maximum • at the digital inputs at AC maximum  1 to 00 m  2 to 14 N·m  1 to 00 m  2 to 14 N·m  1 to 00 m  2 to 14 N·m  1 to 00 m  2 to 15 N·m  2 to 15 N·m  3 to 12 N·m  1 to 00 m  2 to 15 N·m  3 to 12 N·m  4 N·m  5 to available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts with screw-type terminals • for available and equity and control contacts wi  |   |  |
|--|---|--|
| • for main contacts for box terminal using the back clampling point stranded   | clamping point finely stranded without core end                         | 10 120 mm²   |
| a d. A/MC cables for main current circuit solid for DIN cable tog for main contacts stranded for DIN cable tog for main contacts freely stranded local control circuit finely stranded with core end processing at A/MC cables for control circuit solid at A/MC cables for control circuit finely stranded with core end processing at A/MC cables for control circuit finely stranded with core end processing at A/MC cables for control circuit finely stranded with core end processing at A/MC cables for control circuit finely stranded with core end processing between soft starter and motor maximum at the digital inputs at A/C maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals  and a for auxiliary and control contacts with screw-type terminals  and a for auxiliary and contro  | for main contacts for box terminal using the back                       | 16 120 mm²   |
| • for DIN cable lug for main contacts franded  • for DIN cable lug for main contacts franded  • for Control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts   | type of connectable conductor cross-sections                            |  |
| • for DIN cable lug for main contacts franded  • for DIN cable lug for main contacts franded  • for Control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at AC maximum • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts   |   | 4 250 kcmil  |
| Type of connectable conductor cross-sections   For control circuit solid   For control circuit solid   For control circuit solid   For control control circuit solid   For control control circuit solid   For control control control circuit solid   For control circuit solid   For control circuit solid   For control control circuit solid   For control control control control circuit solid   For control control circuit solid   For c   | <ul> <li>for DIN cable lug for main contacts stranded</li> </ul>        | 16 95 mm²  |
| • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control circuit finely stranded with core end processing • at AWG cables for control contacts with screw-type terminals • at the digital inputs at AC maximum • for main contacts with screw-type terminals • for auxiliary and control contact | <ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul> | 25 120 mm²   |
| • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing  wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • to at the digital inputs at AC maximum • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type • for main contacts with screw-type • for for auxiliary and control contacts • for auxiliary and control contacts |   |  |
| processing at AWG cables for control circuit solid by at AWG cables for control circuit finely stranded with core end processing  wire length between soft starter and motor maximum at the digital inputs at AC maximum 1 000 m  tightening torque for main contacts with screw-type terminals of a rauxillary and control contacts with screw-type terminals  tightening torque (bf-lin) for main contacts with screw-type terminals of or auxillary and control contacts with screw-type terminals  tof maximize yard control contacts with screw-type terminals  tof maximize yard control contacts with screw-type terminals  installation attitude at height above sea level maximum ambient conditions  installation attitude at height above sea level maximum ambient temperature during operation  during storage and transport  during storage and transport  during storage and transport  during storage and transport  during storage acc. to IEC 60721  during transport acc. to IEC 60721  eduring transport acc. to IEC 60721  EMC emitted interference  communication/ Protocol  communication/ Protocol  communication/ Protocol  communication module is supported  PROFIBLIS tandard  PROFIBLIS  PROFIBLIS  PROFIBLIS  pres  Tyes  Siemens type: 3VA522, max. 250 A; Iq = 10 kA  according to UL  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 140/480 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 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 according to UL  — usable for Standard Faults at 460/480 V according to UL  — usable for St | for control circuit solid   | 2x (0.25 1.5 mm²)                                    |
| at AWG cables for control circuit finely stranded with core end processing wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  1 000 m  tightening torque  • for main contacts with screw-type terminals • for availary and control contacts with screw-type  • for main contacts with screw-type terminals • for availary and control contacts with screw-type  terminals  tightening torque [lbF in] • for main contacts with screw-type terminals • for availary and control contacts with screw-type  terminals  ### Ability to a control control contacts with screw-type  terminals  ### Ability to a control contacts with screw-type  terminals  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control control contacts with screw-type  ### Ability to a control contro | · · · · · · · · · · · · · · · · · · ·                                   | 2x (0.25 1.5 mm²)                                    |
| core end processing wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  1 000 m  1 000  | <ul> <li>at AWG cables for control circuit solid</li> </ul>             | 2x (24 16)   |
| between soft starter and motor maximum     at the digital inputs at AC maximum  1 000 m  tightening torque     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals  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 storage and transport     during storage and transport     during storage acc. to IEC 60721     during storage acc. to IEC 60721     during storage acc. to IEC 60721     during transport acc. to IEC 60721     during transport acc. to IEC 60721     during transport acc. to IEC 60721     PROFINET standard     PROFIBUS  UL/CSA ratios  manufacturer's article number     of circuit breaker     — usable for Standard Faults up to 575/600 V according to Ut.     — usable for Standard Faults up to 575/600 V according to Ut.     — usable for High Faults up to 575/600 V according to Ut.     or the fuse     — usable for High Faults up to 575/600 V according to Ut.     or the fuse     — usable for High Faults up to 575/600 V according to Ut.     or the fuse     — usable for High Faults up to 575/600 V according to Ut.     operating power (thp) for 3-phase motors  | •   | 2x (24 16)   |
| at the digital inputs at AC maximum  itightening torque  for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals  itightening torque (lbf-in) for main contacts with screw-type terminals  ### Sp 124 lbf-in  ### 7 10.3 lbf-in  ### Sp 124 lbf-in  ### 1 124 lbf-in  ### 1 124 lbf-in  ### 1 124 lbf-in  ### 1   | wire length   |  |
| tightening torque  • for main contacts with screw-type terminals • for auxiliary and control on the fush in the devices), 3M6 (no ice formation, only occasi | <ul> <li>between soft starter and motor maximum</li> </ul>              | 800 m  |
| • 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 contact and terminals • for contacts with screw-type terminals • fo  | at the digital inputs at AC maximum                                     | 1 000 m  |
| • for auxillary and control contacts with screw-type terminals  tightening torque [lbf-in]  • 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  • during operation  • during storage and transport  | tightening torque   |  |
| temminals  tightening torque [lbf-in]  • for main contacts with screw-type terminals  • for auxillary 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 operation acc. to IEC 60721  • during storage acc. to IEC 60721  • during storage acc. to IEC 60721  • during transport acc. to IEC 60721  • preserved transport acc. to IEC 60721 | <ul> <li>for main contacts with screw-type terminals</li> </ul>         | 10 14 N·m  |
| • 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 operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721  EMC emitted interference  communication / Protocol  communication module is supported • PROFINET standard • EitherNet/IP • Modbus RTU • Wes • PROFIBUS  Ves  Ves  Ves  Ves  Ves  Ves  Ves  Ve  |   | 0.8 1.2 N·m  |
| • for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during operation • during peration • during storage and transport • during peration acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721  EMC emitted interference  Communication Protocol  communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS  ULCSA ratings  manufacturer's article number • of circuit breaker — usable for High Faults at 460/480 V according to UL • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for Injeh 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 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 High Faults up to 575/600 V according to UL   | tightening torque [lbf·in]  |  |
| Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 • Capacita during transport acc. to IEC 60721 • | <ul> <li>for main contacts with screw-type terminals</li> </ul>         | 89 124 lbf·in  |
| installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during storage and transport  • during operation acc. to IEC 60721  • during operation acc. to IEC 60721  • during storage acc. to IEC 60721  • during storage acc. to IEC 60721  • during transport acc. to IEC 60721  • during transport acc. to IEC 60721  EMC emitted interference  communication/Protocol  communication/Protocol  communication module is supported  • PROFINET standard  • 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 up to 575/600 V according to UL  — usable for Itigh Faults up to 575/600 V according to UL  — usable for Itigh Faults up to 575/600 V according to UL  — usable for Itigh Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V accordin |   | 7 10.3 lbf·in  |
| ambient temperature  • during operation  • during storage and transport  • during operation acc. to IEC 60721  • during operation acc. to IEC 60721  • during storage acc. to IEC 60721  • during transport acc. to IEC 60721  • during transport acc. to IEC 60721  • Communication/ Protocol  communication/ Protocol  communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  profibus  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  • 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 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 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  | 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</li> <li>during storage and transport</li> <li>during operation acc. 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 acc. 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 acc. to IEC 60721</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 RTU</li> <li>Modbus TCP</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>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>on the fuse</li> <li>Type: Class RK5 / K5, max. 400 A; Iq = 10 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> </ul>   | installation altitude at height above sea level maximum                 | 5 000 m; Derating as of 1000 m, see manual           |
| • during storage and transport     • during operation acc. to IEC 60721     • during operation acc. to IEC 60721     • during storage acc. to IEC 60721     • during transport acc. to IEC 60721     • during transport acc. to IEC 60721     • ZK2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)  EMC emitted interference     • Communication/ Protocol  communication module is supported     • PROFINET standard     • EtherNet/IP     • 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 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 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 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  | ambient temperature   |  |
| environmental category  • during operation acc. to IEC 60721  • during storage acc. to IEC 60721  • during transport acc. 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  • 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 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 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  | during operation  |  |
| <ul> <li>during operation acc. to IEC 60721 <ul> <li>during storage acc. to IEC 60721</li> <li>during storage acc. to IEC 60721</li> <li>f (6) (only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6</li> </ul> </li> <li>during transport acc. to IEC 60721 <ul> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> </ul> </li> <li>EMC emitted interference <ul> <li>acc. to IEC 60947-4-2: Class A</li> </ul> </li> <li>Communication Module is supported <ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> </ul> </li> <li>UL/CSA ratings <ul> <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>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors</li> </ul> <li>3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4</li> <li>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4</li> <li>4K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4</li> <li>2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)</li> <li>acc. to IEC 60947-4-2: Class A</li> <li>February (max. fall height 0.3 m)</li> <li>acc. to IEC 60947-4-2: Class A</li>  | during storage and transport  | -40 +80 °C   |
| <ul> <li>during storage acc. to IEC 60721</li> <li>f (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6</li> <li>1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4</li> <li>during transport acc. 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> Communication module is supported <ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus RTU</li> <li>PROFIBUS</li> </ul> Yes <ul> <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>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>or the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul> Type: Class RK5 / K5, max. 400 A; Iq = 10 kA Type: Class J, max. 350 A; Iq = 100 kA Type: Class J, max. 350 A; Iq = 100 kA Type: Class J, max. 350 A; Iq = 100 kA Type: Class J, max. 350 A; Iq = 100 kA Type: Class J, max. 350 A; Iq = 100 kA Type: Class J, max. 350 A; Iq = 100 kA  | environmental category  |  |
| ot get inside the devices), 1M4  • during transport acc. to IEC 60721  EMC emitted interference  acc. to IEC 60947-4-2: Class A  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  • 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 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 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   |   | mist), 3S2 (sand must not get into the devices), 3M6 |
| EMC emitted interference  communication/ Protocol  communication module is supported  PROFINET standard  Reference  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  Pres  Nodbus RTU  PROFIBUS  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Conding to UL  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 10 kA  |   | not get inside the devices), 1M4                     |
| 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 High Faults at 460/480 V 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  operating power [hp] for 3-phase motors  |   |  |
| communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  Pres  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  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 High Faults at 460/480 V 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  Operating power [hp] for 3-phase motors   |   | acc. to IEC 60947-4-2: Class A                       |
| PROFINET standard EtherNet/IP Modbus RTU Modbus RTU Modbus TCP PROFIBUS  PROFIBUS  Wes  Yes  Yes  Yes  Yes  Yes  Yes  Yes  |   |  |
| EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  Ves  Yes  Yes  Yes  Yes  Yes  Yes  Yes   |   |  |
| Modbus RTU Modbus TCP PROFIBUS Yes  Ves  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V 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  operating power [hp] for 3-phase motors  Yes  Yes  Yes  Yes  Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA5225, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA   |   |  |
| Modbus TCP     PROFIBUS      Yes  UL/CSA ratings  manufacturer's article number     of circuit breaker   |   |  |
| <ul> <li>◆ PROFIBUS          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 according to UL</li> <li>◆ of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>Type: Class RK5 / K5, max. 400 A; Iq = 10 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> </ul>  |   |  |
| 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  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  operating power [hp] for 3-phase motors  |   |  |
| <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</li> <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 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</li> <li>operating power [hp] for 3-phase motors</li> </ul>   |   | res  |
| <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</li> <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 High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  Operating power [hp] for 3-phase motors</li> </ul>   |   |  |
| <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>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> </ul>  |   |  |
| according to UL  — usable for High Faults at 460/480 V 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  — operating power [hp] for 3-phase motors  Siemens type: 3VA52, max. 250 A; lq max = 65 kA  Type: Class RK5 / K5, max. 400 A; lq = 10 kA  Type: Class J, max. 350 A; lq = 100 kA  |   | 0: 4 0/4505 0504 4044                                |
| 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  operating power [hp] for 3-phase motors  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  | according to UL   |  |
| <ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— operating power [hp] for 3-phase motors</li> <li>Type: Class RK5 / K5, max. 400 A; Iq = 10 kA</li> <li>Type: Class J, max. 350 A; Iq = 100 kA</li> </ul>  | to UL   | Siemens type: 3VA52, max. 250 A; Iq max = 65 kA      |
| according to UL  — usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors  Type: Class J, max. 350 A; Iq = 100 kA   |   | T. 01 PV-1/4   |
| according to UL  operating power [hp] for 3-phase motors   | according to UL   |  |
|  | according to UL   | Type: Class J, max. 350 A; Iq = 100 kA               |
| • at 200/208 V at 50 °C rated value 50 hp  |   |  |
|  | <ul> <li>at 200/208 V at 50 °C rated value</li> </ul>                   | 50 hp  |

| <ul> <li>at 220/230 V at 50 °C rated value</li> </ul>                               | 50 hp   |
|---|---|
| <ul> <li>at 460/480 V at 50 °C rated value</li> </ul>                               | 100 hp  |
| Safety related data   |   |
| protection class IP on the front acc. to IEC 60529                                  | IP00; IP20 with cover                                       |
| touch protection on the front acc. to IEC 60529                                     | finger-safe, for vertical contact from the front with cover |
| ATEX  |   |
| certificate of suitability  |   |
| • ATEX  | Yes   |
| • IECEx   | Yes   |
| hardware fault tolerance acc. to IEC 61508 relating to ATEX                         | 0   |
| PFDavg with low demand rate acc. to IEC 61508 relating to ATEX                      | 0.09  |
| PFHD with high demand rate acc. to EN 62061 relating to ATEX                        | 0.000009 1/h  |
| Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX                     | SIL1  |
| T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX | 3 y   |
| Certificates/ approvals   |   |

**General Product Approval** 

For use in hazardous locations













**Declaration of** Conformity

**Test Certificates** 

other



Type Test Certificates/Test Report

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=3RW5056-2TB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5056-2TB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2TB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5056-2TB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

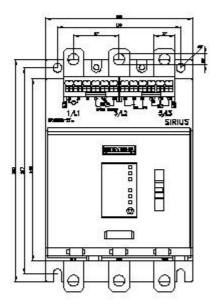
https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2TB04/char

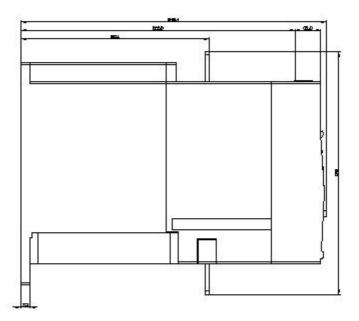
Characteristic: Installation altitude

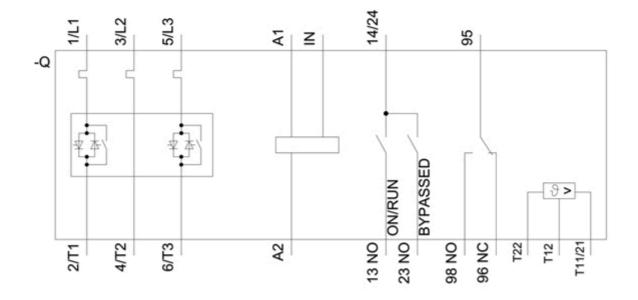
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5056-2TB04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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