## SIEMENS

## Data sheet

## 3RW5074-6TB14



SIRIUS soft starter 200-480 V 315 A, 110-250 V AC Screw terminals Thermistor input

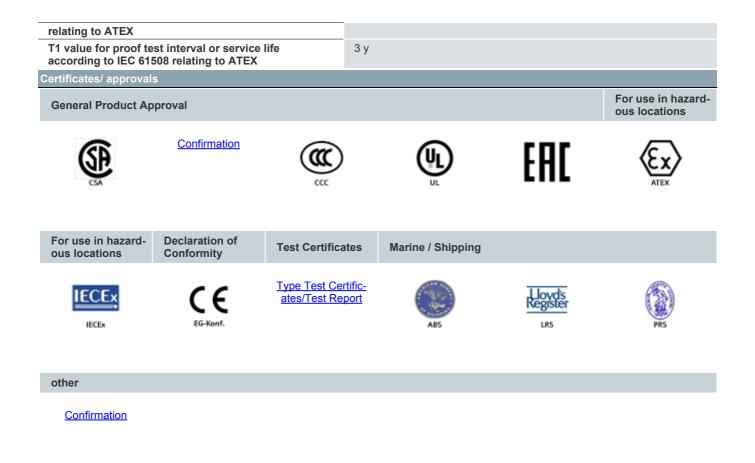
| product brand name  | SIRIUS  |
|---|---|
| product category  | Hybrid switching devices                              |
| product designation   | Soft starter  |
| product type designation  | 3RW50   |
| manufacturer's article number   |   |
| <ul> <li>of standard HMI module usable</li> </ul>   | <u>3RW5980-0HS01</u>                                  |
| <ul> <li>of high feature HMI module usable</li> </ul>   | <u>3RW5980-0HF00</u>                                  |
| <ul> <li>of communication module PROFINET standard<br/>usable</li> </ul>                          | <u>3RW5980-0CS00</u>                                  |
| <ul> <li>of communication module PROFIBUS usable</li> </ul>                                       | <u>3RW5980-0CP00</u>                                  |
| <ul> <li>of communication module Modbus TCP usable</li> </ul>                                     | <u>3RW5980-0CT00</u>                                  |
| <ul> <li>of communication module Modbus RTU usable</li> </ul>                                     | <u>3RW5980-0CR00</u>                                  |
| <ul> <li>of communication module Ethernet/IP</li> </ul>   | <u>3RW5980-0CE00</u>                                  |
| <ul> <li>of circuit breaker usable at 400 V</li> </ul>  | 3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA  |
| <ul> <li>of circuit breaker usable at 500 V</li> </ul>  | 3VA2440-7MN32-0AA0; Type of assignment 1, lq = 65 kA  |
| <ul> <li>of the gG fuse usable up to 690 V</li> </ul>   | 2x3NA3365-6; Type of coordination 1, Iq = 65 kA       |
| <ul> <li>of full range R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul> | <u>3NE1 333-2; Type of coordination 2, Iq = 65 kA</u> |
| <ul> <li>of back-up R fuse link for semiconductor protection<br/>usable up to 690 V</li> </ul>    | <u>3NE3 335; Type of coordination 2, Iq = 65 kA</u>   |
| <ul> <li>of line contactor usable up to 480 V</li> </ul>  | <u>3RT1075</u>  |
| <ul> <li>of line contactor usable up to 690 V</li> </ul>  | <u>3RT1075</u>  |
| General technical data  |   |
| starting voltage [%]  | 30 100 %  |
| stopping voltage [%]  | 50 %; non-adjustable                                  |
| 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 according to IEC 61557-12  | 5 %   |
| certificate of suitability  |   |
| CE marking  | Yes   |
| <ul> <li>UL approval</li> </ul>   | Yes   |
| CSA approval  | Yes   |
| product component   |   |
| HMI-High Feature  | No  |
| <ul> <li>is supported HMI-Standard</li> </ul>   | Yes   |
| <ul> <li>is supported HMI-High Feature</li> </ul>   | Yes   |
| product feature integrated bypass contact system  | Yes   |
| number of controlled phases   | 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  | 6 kV  |
| impulse voltage rated value  | 1 600 V   |
| blocking voltage of the thyristor maximum service factor                               | 1   |
|  | 6 kV  |
| surge voltage resistance rated value<br>maximum permissible voltage for safe isolation | 0 KV  |
|  | 600 V   |
| between main and auxiliary circuit   |   |
| shock resistance   | 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting                                    |
| vibration resistance   | 15 mm to 6 Hz; 2g to 500 Hz   |
| utilization category according to IEC 60947-4-2  | AC-53a  |
| reference code according to IEC 81346-2  | Q<br>20/00/0040   |
| Substance Prohibitance (Date)  | 09/23/2019  |
| product function   | N   |
| • ramp-up (soft starting)  | Yes   |
| • ramp-down (soft stop)  | Yes   |
| Soft Torque  | Yes   |
| adjustable current limitation  | Yes   |
| <ul> <li>pump ramp down</li> </ul>   | Yes   |
| <ul> <li>intrinsic device protection</li> </ul>  | Yes   |
| <ul> <li>motor overload protection</li> </ul>  | 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  |
| <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  |
| <ul> <li>via software configurable</li> </ul>  | Yes   |
| PROFlenergy  | Yes; in connection with the PROFINET Standard communication module                                |
| <ul> <li>voltage ramp</li> </ul>   | Yes   |
| torque control   | No  |
| <ul> <li>analog output</li> </ul>  | No  |
| Power Electronics  |   |
| operational current  |   |
| • at 40 °C rated value   | 315 A   |
| <ul> <li>at 50 °C rated value</li> </ul>   | 279 A   |
| • at 60 °C rated value   | 255 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>                                      | 90 kW   |
| <ul> <li>at 400 V at 40 °C rated value</li> </ul>                                      | 160 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>                       | 135 A   |
|  | 100 / 1   |
| at rotary coding switch on switch position 2   | 147 A   |
|  |   |

| <ul> <li>at rotary coding switch on switch position 5</li> </ul>  | 183 A  |
|---|--|
| <ul> <li>at rotary coding switch on switch position 6</li> </ul>  | 195 A  |
| <ul> <li>at rotary coding switch on switch position 7</li> </ul>  | 207 A  |
| <ul> <li>at rotary coding switch on switch position 8</li> </ul>  | 219 A  |
| <ul> <li>at rotary coding switch on switch position 9</li> </ul>  | 231 A  |
| <ul> <li>at rotary coding switch on switch position 10</li> </ul>   | 243 A  |
|   | 255 A  |
| at rotary coding switch on switch position 11   |  |
| at rotary coding switch on switch position 12   | 267 A  |
| <ul> <li>at rotary coding switch on switch position 13</li> </ul>   | 279 A  |
| <ul> <li>at rotary coding switch on switch position 14</li> </ul>   | 291 A  |
| <ul> <li>at rotary coding switch on switch position 15</li> </ul>   | 303 A  |
| <ul> <li>at rotary coding switch on switch position 16</li> </ul>   | 315 A  |
| • minimum   | 135 A  |
| minimum load [%]  | 15 %; Relative to smallest settable le   |
| power loss [W] for rated value of the current at AC   |  |
| <ul> <li>at 40 °C after startup</li> </ul>  | 36 W   |
| <ul> <li>at 50 °C after startup</li> </ul>  | 29 W   |
| <ul> <li>at 60 °C after startup</li> </ul>  | 24 W   |
| power loss [W] at AC at current limitation 350 %  |  |
| • at 40 °C during startup   | 3 368 W  |
| • at 50 °C during startup   | 2 805 W  |
| • at 60 °C during startup   | 2 455 W  |
| type of the motor protection  | Electronic, tripping in the event of thermal overload of the motor   |
| Control circuit/ Control  | ······································   |
| type of voltage of the control supply voltage   | AC   |
| control supply voltage at AC  |  |
| • at 50 Hz  | 110 250 V  |
| • at 60 Hz  | 110 250 V  |
|   | -15 %  |
| relative negative tolerance of the control supply<br>voltage at AC at 50 Hz   |  |
| 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<br>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   | 105 mA   |
| locked-rotor current at close of bypass contact maximum   | 2.2 A  |
| inrush current peak at application of control supply voltage maximum  | 12.2 A   |
| duration of inrush current peak at application of control<br>supply voltage   | 2.2 ms   |
| design of the overvoltage protection  | Varistor   |
|   | Variation  |
| 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   |
| 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   |
|   | 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   |
| Inputs/ Outputs   | 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<br>number of digital inputs   | 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<br>number of digital inputs<br>number of digital outputs  | <ul> <li>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</li> <li>1</li> <li>3</li> </ul>   |
| Inputs/ Outputs number of digital inputs number of digital outputs o not parameterizable  | <ul> <li>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</li> </ul>   |
| Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs   | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature<br>circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is<br>not part of scope of supply<br>1 1 3 2 2 2 normally-open contacts (NO) / 1 changeover contact (CO)                |
| Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature<br>circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is<br>not part of scope of supply<br>1<br>1<br>3<br>2<br>2 normally-open contacts (NO) / 1 changeover contact (CO)<br>0 |
| Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs   | 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature<br>circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is<br>not part of scope of supply<br>1 1 3 2 2 2 normally-open contacts (NO) / 1 changeover contact (CO)                |

| 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  | 230 mm  |
| width   | 160 mm  |
| depth   | 282 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  | 7.3 kg  |
| Connections/ Terminals  |   |
| type of electrical connection   |   |
| <ul> <li>for main current circuit</li> </ul>  | busbar connection   |
| for control circuit   | screw-type terminals  |
| width of connection bar maximum   | 35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm          |
| wire length for thermistor connection   |   |
| <ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>   | 50 m  |
| • with conductor cross-section = 1.5 mm <sup>2</sup> maximum  | 150 m   |
| <ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>   | 250 m   |
| type of connectable conductor cross-sections  |   |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point solid</li> </ul>   | 95 300 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point finely stranded with core end<br/>processing</li> </ul>    | 70 240 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point finely stranded without core end<br/>processing</li> </ul> | 70 240 mm²  |
| <ul> <li>for main contacts for box terminal using the front<br/>clamping point stranded</li> </ul>  | 95 300 mm²  |
| <ul> <li>at AWG cables for main contacts for box terminal<br/>using the front clamping point</li> </ul>                                   | 3/0 600 kcmil   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point solid</li> </ul>  | 120 240 mm²   |
| <ul> <li>at AWG cables for main contacts for box terminal<br/>using the back clamping point</li> </ul>                                    | 250 500 kcmil   |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points solid</li> </ul>   | min. 2x 70 mm <sup>2</sup> , max. 2x 240 mm <sup>2</sup>                |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points finely stranded with core end<br/>processing</li> </ul>        | min. 2x 50 mm², max. 2x 185 mm²   |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points finely stranded without core end<br/>processing</li> </ul>     | min. 2x 50 mm², max. 2x 185 mm²   |
| <ul> <li>for main contacts for box terminal using both<br/>clamping points stranded</li> </ul>  | min. 2x 70 mm², max. 2x 240 mm²   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point finely stranded with core end<br/>processing</li> </ul>     | 120 185 mm²   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point finely stranded without core end<br/>processing</li> </ul>  | 120 185 mm²   |
| <ul> <li>for main contacts for box terminal using the back<br/>clamping point stranded</li> </ul>   | 120 240 mm²   |
| type of connectable conductor cross-sections  |   |
| <ul> <li>at AWG cables for main current circuit solid</li> </ul>  | 2/0 500 kcmil   |
| <ul> <li>for DIN cable lug for main contacts stranded</li> </ul>  | 50 240 mm <sup>2</sup>  |
| <ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>   | 70 240 mm²  |
| type of connectable conductor cross-sections  |   |
| <ul> <li>for control circuit solid</li> </ul>   | 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)                                      |
| <ul> <li>for control circuit finely stranded with core end</li> </ul>   | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)                                      |

| processing <ul> <li>at AWG cables for control circuit solid</li> </ul>  | $1_{\rm Y}$ (20 12) $2_{\rm Y}$ (20 14)   |
|---|---|
|   | 1x (20 12), 2x (20 14)  |
| <ul> <li>wire length</li> <li>between soft starter and motor maximum</li> </ul>   | 800 m   |
| <ul> <li>at the digital inputs at AC maximum</li> </ul>   | 1 000 m   |
| tightening torque   | 1 000 111   |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>   | 14 24 N·m   |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>  | 0.8 1.2 N·m   |
| terminals   | 0.0 1.2 N111  |
| tightening torque [lbf·in]  |   |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>   | 124 210 lbf·in  |
| <ul> <li>for auxiliary and control contacts with screw-type</li> </ul>  | 7 10.3 lbf·in   |
| terminals   |   |
| Ambient conditions  |   |
| installation altitude at height above sea level maximum   | 5 000 m; derating as of 1000 m, see Manual  |
| ambient temperature   |   |
| <ul> <li>during operation</li> </ul>  | -25 +60 °C; Please observe derating at temperatures of 40 °C or   |
|   | above   |
| during storage and transport  | -40 +80 °C  |
| environmental category  | 3K6 (no ice formation, only according) and an action), 2C2 (no acti   |
| during operation according to IEC 60721   | 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6   |
| <ul> <li>during storage according to IEC 60721</li> </ul>   | 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4   |
| <ul> <li>during transport according to IEC 60721</li> </ul>   | 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)   |
| EMC emitted interference  | acc. to IEC 60947-4-2: Class A  |
| Communication/ Protocol   |   |
| communication module is supported   |   |
| <ul> <li>PROFINET standard</li> </ul>   | Yes   |
| EtherNet/IP   | Yes   |
| Modbus RTU  | Yes   |
| Modbus TCP  | Yes   |
| PROFIBUS  | Yes   |
| III /CSA ratings  |   |
| UL/CSA ratings  |   |
| manufacturer's article number   |   |
| manufacturer's article number<br>• of circuit breaker   |   |
| manufacturer's article number<br>• of circuit breaker<br>— usable for High Faults at 460/480 V according  | Siemens type: 3VA54, max. 600 A; lq max = 65 kA   |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> </ul>  | Siemens type: 3VA54, max. 600 A; lq max = 65 kA   |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for High Faults at 460/480 V according to UL</li> <li>of the fuse</li> </ul> </li> </ul>   |   |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> </ul>  | Siemens type: 3VA54, max. 600 A; lq max = 65 kA<br>Type: Class L, max. 1000 A; lq = 18 kA   |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V</li> </ul> </li> </ul>   |   |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA  |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse         <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors</li> </ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA   |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp  |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul> </li> </ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp  |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> </ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp  |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp  |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse         <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for 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         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp  |
| <ul> <li>manufacturer's article number</li> <li>of circuit breaker <ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul> </li> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp  |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp  |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>Safety related data</li> </ul> </li> <li>protection class IP on the front according to IEC 60529         <ul> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>   | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp  |
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| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>of the fuse                 <ul></ul></li></ul></li></ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp<br>IP00; IP20 with cover<br>finger-safe, for vertical contact from the front with cover                            |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> <li>ATEX         <ul> <li>IECEx</li> <li>hardware fault tolerance according to IEC 61508</li> </ul> </li> </ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp<br>IP00; IP20 with cover<br>finger-safe, for vertical contact from the front with cover<br>Yes                     |
| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> <li>ATEX         <ul> <li>iECEx</li> <li>hardware fault tolerance according to IEC 61508 relating to ATEX</li> <li>PFDavg with low demand rate according to IEC 61508</li> </ul> </li> </li></ul>  | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp<br>IP00; IP20 with cover<br>finger-safe, for vertical contact from the front with cover<br>Yes                     |
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| <ul> <li>manufacturer's article number         <ul> <li>of circuit breaker</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> <li>usable for Jphase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data         <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> <li>ATEX         <ul> <li>IECEx</li> <li>hardware fault tolerance according to IEC 61508 relating to ATEX</li> </ul> </li> <li>PFDavg with low demand rate according to IEC 61508 relating to ATEX</li> </ul> | Type: Class L, max. 1000 A; lq = 18 kA<br>Type: Class L, max. 1000 A; lq = 100 kA<br>75 hp<br>100 hp<br>200 hp<br>IP00; IP20 with cover<br>finger-safe, for vertical contact from the front with cover<br>Yes<br>Yes<br>0<br>0.09 |



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Further information

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