## SIEMENS

## Data sheet

## 3RW5072-6TB04



SIRIUS soft starter 200-480 V 210 A, 24 V AC/DC Screw terminals Thermistor input

Figure similar

and death based areas			
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 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, lq = 65 kA		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2440-7MN32-0AA0; Type of assignment 1, lq = 65 kA</u>		
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1 230-2; Type of coordination 2, Iq = 65 kA</u>		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3 333; Type of coordination 2. Iq = 65 kA</u>		
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1064</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			
• CE marking	Yes		
• UL approval	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           • for main current cloud:         100 ms           • for control circuit         100 ms           • for control circuit         100 ms           • for control circuit         600 V           • degree of pollution         3, acc. to IEC 60947-4-2           impulse voltage rated value         64V           blocking voltage rated value         64V           service factor         1           surge voltage resistance rated value         64V           • between main and auxilary circuit         660 V           • between main and auxilary circuit         660 V           • bock 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           vibration 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           vibration 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           vibration resistance         16 g/ 13 46-2           0         23 06 2019 00:00					
• for main current circuit     100 ms     for control circuit     100 ms     insulation voltage rated value     600 V     degree of poliution     insulation voltage rated value     600 V     degree of poliution     impulse voltage rated value     600 V     service factor     1     surge voltage resistance rated value     6 kV     maximum permissible voltage for safe isolation     obetween main and auxilary circuit     for voltage rated value     for voltage 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     vibration 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     vibration 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     vibration 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     vibration 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     vibration 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     vis a contact is potentian     vis a contact is potentian     vis a contact is potentian     vis a contact with the PROFINET Standard communication     module     vis a contact contact     vis a contact contine     vis a contact contact     vis a contact contact     vis	trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2			
• of control circuit         100 ms           Insulation variage rated value         600 V           degree of pollution         3, acc to IEC 60947-4-2           Impulse voltage rated value         6 kV           service factor         1           surge voltage or the thyristor maximum         1 600 V           service factor         6 kV           maximum permissible voltage for safe isolation         6 kV           • between main and auxillary circuit         560 V           * shock resistance         15 g/ 11 ms, from 12 g/ 11 ms with potential contact lifting           vibration resistance         15 mm to 6 Hz-2 gto 500 Hz           reference code acc: to IEC 61346-2         0           Substance Prohibitance (Date)         23 09 2019 00:000           product function         Yes           • amp-down (soft stop)         Yes           • adjustable current limitation         Yes           • evaluation of themistor motor protection         Yes           • evaluation of themistor motor protection         Yes           • evaluation of themistor motor protection         Yes           • evaluation function         Yes           • evaluation function         Yes           • evaluation of themistor motor protection         Yes <td< td=""><td>buffering time in the event of power failure</td><td></td></td<>	buffering time in the event of power failure				
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     1 800 V       service factor     1       surge voltage or the thyristor maximum     6 kV       maximum permissible voltage for safe isolation     6 kV       ebtween main and auxiliary circuit     600 V       shock resistance     15 g / 11 ms, from 12 g / 11 ms, with potential contact lifting       vibration resistance     15 min to 6 Hz; 2 to 500 Hz       reference code acc, to IEC 81346-2     Q       Substance Prohibitance (Orale)     23 09 2019 00:00:00       product function     Yes       • adjustable current limitation     Yes       • adjustable current limitation     Yes       • motor overload protection     Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)       • evaluation of thermistor motor protection     Yes; Type A PTG or Klixon / Thermoclick       • anora RESET     Yes       • remote reset     Yes; Put motion with special accessories       • error togbook     Yes; Only in conjunction with special accessories       • vis software configurable     Yes       • vis software parameterizable     No       • vis software configurable     Yes       • vis sof	<ul> <li>for main current circuit</li> </ul>	100 ms			
degree of pollution       3, acc. to IEC 60047-4-2         Imputes voltage rated value       6 kV         blocking voltage of the thyristor maximum       1 600 V         service factor       1         surge voltage or setstance rated value       6 kV         maximum permissible voltage for safe isolation       6 kV         • between main and auxiliary circuit       500 V         shock resistance       15 g / 11 ms, thm 12 g / 11 ms with potential contact lifting         vibration resistance       15 g / 11 ms, from 12 g / 11 ms with potential contact lifting         reference code acc. to IEC 81346-2       0         Substance Prohibitance (Date)       23.09.2019 00:00:00         product function       Yes         • ramp-down (soft stop)       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes. Full motor protection (thermistor motor protection and electronic motor verifoad protection)         • evaluation of themistor motor protection       Yes. Type A PTC or Kixon / Thermoclick         • endrogook       Yes. (Day in conjunction with special accessories)         • vis oftware parameterizable       Yes         • vis oftware parameterizable       Yes         • vis oftware configurable       Yes	<ul> <li>for control circuit</li> </ul>	100 ms			
Impulse voltage rated value         6 kV           blocking voltage of the thyristor maximum         1600 V           service factor         1           surge voltage resistance rated value         6 kV           maximum permissible voltage for safe losolation         600 V           shock resistance         15 g / 11 ms, from 12 g / 11 ms with potential contact lifting           vibration resistance         15 m no 6 Hz; 2g to 500 Hz           reference code acc. to IEC 81346-2         Q           Substance Prohibitance (Date)         23.00 2019 00:00:00           product function         Yes           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • outor volefad protection         Yes; Type A PTC or Kilxon / Thermoclick           • motor overlada protection         Yes; Type A PTC or Kilxon / Thermoclick           • auto-RESET         Yes           • remote reset         Yes; Only in conjunction with special accessories           • evaluation of thermistor motor protection         Yes; Only in conjunction with special accessories           • error logbook         Yes; Only in conjunction with special accessories           • error logbook         Yes; Ionnenection with the PROFINET Standard communication module	insulation voltage rated value	600 V			
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       6 kV         shockers main and auxilary circuit       60 V         shockers main and auxilary circuit       60 V         shockers main and auxilary circuit       60 V         whords resistance       15 g / 11 ms, from 12 g / 11 ms with potential contact lifting         vibration resistance       76 min 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       Yes         * ramp-down (soft storp)       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • motor overload protection       Yes; Type A PTC or Kilxon / Thermoctick         • motor wereload protection       Yes; Type A PTC or Kilxon / Thermoctick         • auto-RESET       Yes         • remoter reset       Yes; Dy turning off the control supply voltage         • communication function       Yes         • via software parameterizable       No         • via software configurable       Yes         • via software param	degree of pollution				
service factor         1           surge voltage resistance voltage for safe isolation         6 kV           • 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           vibration resistance         15 mm to 6 Hz; 2g to 500 Hz           reference code acc. to IEC 81346-2         Q           Substance Prohibinance (Clast)         22.09 2019 00:00:00           product function         Yes           • anyp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • intinsic device protection         Yes           • motor overload protection         Yes           • auto-RESET         Yes           • remote reset         Yes           • operating measured value display         Yes           • via software parameterizable         No           • via software	impulse voltage rated value	6 kV			
surge voltage resistance rated value         6 kV           maximum permissible voltage for safe isolation         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           vibration 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           vibration 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           vibration 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           vibration fitterition         Yes           • soft Torque         Yes           • adjustable current limitation         Yes           • watuation of thermistor motor protection         Yes           • notor overload protection         Yes           • auto-RESET         Yes           • remote reset         Yes           • operating measured value display         Yes; in connection with special accessories           • via software parametrizable <td>blocking voltage of the thyristor maximum</td> <td>1 600 V</td>	blocking voltage of the thyristor maximum	1 600 V			
maximum permissible voltage for safe isolation         600 V           • between main and auxiliary circuit         600 V           shock resistance         15 g / 11 ms. from 12 g / 11 ms. with potential contact lifting           vibration resistance         15 mm to 6 Hz; 2g to 500 Hz           reference code acc. to IEC 81346-2         Q           Substance Prohibitance (Clate)         23.09 2019 00:00:00           product function         Yes           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • motor overload protection         Yes           • evaluation of thermistor motor protection         Yes           • endor logbock         Yes           • remotiogbock         Yes           • via software parameterizable         No           • via software parameterizable         No           • via software configurable	service factor	1			
between main and auxiliary circuit     600 V      shock resistance     15 g / 11 ms, from 12 g / 11 ms with potential contact lifting     vibration resistance     15 mm to 6 Hz; 2g to 500 Hz      reference code acc. to HEC 81346-2     Q      Substance Prohibitance (Date)     23.09.2019 00:00:00     product function         ramp-up (soft starting)         ramp (soft starting)         ration of protection         res (soft protection         res (soft protection)         res (soft protection)	surge voltage resistance rated value	6 kV			
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         Yes           • ramp-down (soft stop)         Yes           • soft Torque         Yes           • adjustable current limitation         Yes           • untrois device protection         Yes;           • intrinsic device protection         Yes;           • motor overload protection         Yes;           • evaluation of thermistor motor protection         Yes;           • andu accessories         Yes;           • motor overload protection         Yes;           • evaluation of thermistor motor protection         Yes;           • auto-RESET         Yes;           • remote reset         Yes; Only in conjunction with special accessories           • via software parameterizable         No           • via software configurable         Yes           • via software configurable	maximum permissible voltage for safe isolation				
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         Yes           • ramp-up (soft starting)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • notor overload protection         Yes           • notor overload protection         Yes           • adjustable current limitation         Yes           • untor overload protection         Yes           • untor overload protection         Yes           • auto-RESET         Yes           • remotor rest         Yes           • operating measured value display         Yes; Duly in conjunction with special accessories           • via software parameterizable         No           • via software parameterizable         No           • via software parameterizable         No           • torque control         No           • analog output         Yes           PROFlenergy         Yes           • torque control         No           • analog output         No           operating voltage         • rated value	<ul> <li>between main and auxiliary circuit</li> </ul>	600 V			
reference code acc. to IEC 81346-2       Q         Substance Prohibitance (Date)       23.09.2019 00:00:00         product function       Yes         • ramp-up (soft starting)       Yes         • soft Torque       Yes         • adjustable current limitation       Yes         • unit rising down       Yes         • unotor overload protection       Yes; Type A PTC or Klixon / Thermoclick         • auto-RESET       Yes; Only in conjunction with special accessories         • communication function       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software parameterizable       No         • via software parameterizable       No         • voltage ramp       Yes         • torque control       No         • analog output       No         • analog output       No         • at 40 °C rated value       170 A         • at 60 °C rated value       170 A	shock resistance				
Substance Prohibitance (Date)         23.09.2019 00:00:00           product function         Yes           • ramp-down (soft stop)         Yes           • adjustable current limitation         Yes           • adjustable current limitation         Yes           • pump ramp down         Yes           • intrinsic device protection         Yes           • motor overload protection         Yes           • motor overload protection         Yes           • evaluation of thermistor motor protection         Yes           • auto-RESET         Yes           • operating measured value display         Yes           • operating measured value display         Yes           • via software parameterizable         No           • via software parameterizable         No           • via software parameterizable         No           • torgue control         No           • via software parameterizable         No           • torgue control         No           • at 60 °C rated value         210 A           • at 60 °C rated value         166 A           • at 60 °C rated value         166 A           • at 60 °C rated value         10 %           • at 230 V at 40 °C rated value         15 %	vibration resistance	15 mm to 6 Hz; 2g to 500 Hz			
product function     Yes       • ramp-up (soft starting)     Yes       • ramp-up (soft starting)     Yes       • Soft Torque     Yes       • Soft Torque     Yes       • adjustable current limitation     Yes       • pump ramp down     Yes       • initrinsic device protection     Yes       • motor overload protection     Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)       • evaluation of thermistor motor protection     Yes; Type A PTC or Klixon / Thermoclick       • auto-RESET     Yes       • manual RESET     Yes       • operating measured value display     Yes; Only in conjunction with special accessories       • operating measured value display     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software configurable     Yes       • voltage ramp     Yes       • torque control     No       • analog output     No       • operating divelue     10 A       • at 40 °C rated value     170 A       • operating struct beforence of the operating voltage     -15 %       • rated value     10 %       • at 40 °C rated value     55 kW       • at 40 °C rated value     50 k       • at 40 °C rated value     50 k		Q			
• 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)         • evaluation of thermistor motor protection       Yes, Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes, Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes, Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes, Full proper APTC or Ritixon / Thermoclick         • auto-RESET       Yes         • remote reset       Yes, Only in conjunction with special accessories         • operating measured value display       Yes, Only in conjunction with special accessories         • via software configurable       Yes         • via software configurable       Yes         • voltage ramp       Yes         • torque control       No         • analog output       No	Substance Prohibitance (Date)	23.09.2019 00:00:00			
• ramp-down (soft stop)       Yes         • Soft Torque       Yes         • adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes; Type A PTC or Klixon / Thermoclick         • auto-RESET       Yes         • motor overload protection)       Yes; Type A PTC or Klixon / Thermoclick         • auto-RESET       Yes         • emote reset       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software configurable       Yes         • via software configurable       Yes         • voltage ramp       Yes         • operating measured value       Yes         • orage control       No         • anatog output       No         PROFlenergy       Yes         • orage output       No         • at 40 °C rated value       210 A         • at 40 °C rated value       170 A         • perating workage       210 A         • at 60 °C rated value       170 A         operating workage       -15 % <td>product function</td> <td></td>	product function				
<ul> <li>Soft Torque</li> <li>Yes</li> <li>adjustable current limitation</li> <li>Yes</li> <li>pump ramp down</li> <li>Yes</li> <li>intrinsic device protection</li> <li>Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)</li> <li>evaluation of thermistor motor protection</li> <li>Yes; Type A PTC or Klixon / Thermoclick</li> <li>auto-RESET</li> <li>remotor erset</li> <li>yes; By turning off the control supply voltage</li> <li>communication function</li> <li>Yes; Only in conjunction with special accessories</li> <li>operating measured value display</li> <li>Yes; Only in conjunction with special accessories</li> <li>via software parameterizable</li> <li>No</li> <li>via software configurable</li> <li>Yes; in connection with the PROFINET Standard communication module</li> <li>voltage ramp</li> <li>Yes</li> <li>remote configurable</li> <li>Ves; in connection with the PROFINET Standard communication module</li> <li>voltage ramp</li> <li>Yes</li> <li>operational current</li> <li>at 60 °C rated value</li> <li>at 20 V at 40 °C rated value</li> <li>by 60 rated value</li> <li>at 20 V at 40 °C rated value</li> <li>by 70 rated value</li> <li>by 70 rated va</li></ul>	<ul> <li>ramp-up (soft starting)</li> </ul>	Yes			
• adjustable current limitation       Yes         • pump ramp down       Yes         • intrinsic device protection       Yes         • motor overload protection       Yes         • motor overload protection       Yes         • evaluation of themistor motor protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of themistor motor protection       Yes; Type A PTC or Klixon / Thermoclick         • auto-RESET       Yes         • manual REST       Yes         • operating measured value display       Yes; By turning off the control supply voltage         • operating measured value display       Yes; Only in conjunction with special accessories         • error logbook       Yes; In connection with special accessories         • via software parameterizable       No         • via software configurable       Yes         • voltage ramp       Yes         • orage output       No         Power Electronics       No         operating lournet       10 A         • at 60 °C rated value       186 A         • at 60 °C rated value       10 A         • at 20 V at 40 °C rated value       10 %         • at 20 V at 40 °C rated value       55 kW         • at 20 V at 40 °C	<ul> <li>ramp-down (soft stop)</li> </ul>	Yes			
• pump ramp downYes• intrinsic device protectionYes• motor overload protectionYes• motor overload protectionYes; Full motor protection (thermistor motor protection and electronic motor overload protection))• evaluation of thermistor motor protectionYes; Type A PTC or Klixon / Thermoclick• auto-RESETYes• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• at 40 °C rated value210 A• at 60 °C rated value120 A• at 60 °C rated value200 480 V• relative negative tolerance of the operating voltage-15 %• relative negative tolerance of the operating voltage-15 %• at 400 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value60 Hz• at 400 V at 40 °C rated value60 Hz• at 400 V at 40 °C rated value60 Hz• at 400 V at 40 °C rated value60 Hz• at 400 V at 40 °C rated value60 Hz	Soft Torque	Yes			
• intrinsic device protection         Yes           • motor overload protection         Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)           • evaluation of thermistor motor protection         Yes; Type A PTC or Klixon / Thermoclick           • auto-RESET         Yes           • manual RESET         Yes; By turning off the control supply voltage           • communication function         Yes; Only in conjunction with special accessories           • error logbook         Yes; Only in conjunction with special accessories           • via software parameterizable         No           • via software configurable         Yes           • voltage ramp         Yes           • voltage ramp         Yes           • torque control         No           • analog output         No           • at 40 °C rated value         210 A           • at 60 °C rated value         186 A           • at 60 °C rated value         100 Å           • rated value         200 480 V           • rated value         55 KW           • at 40 °C rated value         55 KW           • at 40 °C rated value         50 KL           • at 40 °C rated value         60 HZ           • rated value         55 KW           • at 40	<ul> <li>adjustable current limitation</li> </ul>	Yes			
• motor overload protection       Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)         • evaluation of thermistor motor protection       Yes; Type A PTC or Klixon / Thermoclick         • auto-RESET       Yes         • ernote reset       Yes; By turning off the control supply voltage         • communication function       Yes;         • operating measured value display       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • voltage ramp       Yes; in connection with the PROFINET Standard communication module         • voltage ramp       Yes         • lorque control       No         • analog output       No         Power Electronics       210 A         • at 50 °C rated value       210 A         • at 60 °C rated value       200 480 V         • relative negative tolerance of the operating voltage       -15 %         • at 20 °C rated value       55 kW         • at 20 °C rated value       55 kW         • at 20 °C rated value       50 Hz         • poerating frequency 1 rated value       60 Hz         • poerating frequency 1 rated value       60 Hz	<ul> <li>pump ramp down</li> </ul>	Yes			
motor overload protection)     motor overload protection)       • evaluation of thermistor motor protection     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     Yes; Only in conjunction with special accessories       • via software parameterizable     No       • via software configurable     Yes       • voltage ramp     Yes       • torque control     No       • analog output     No       Power Electronics     module       • voltage ramp     Yes       • torque control     No       • analog output     No       • at 40 °C rated value     210 A       • at 60 °C rated value     170 A       • at 60 °C rated value     100 %       • at 60 °C rated value     100 %       • at 60 °C rated value     55 kW       • at 20 V at 40 °C rated value     55 kW       • at 40 °C rated value     55 kW       • at 40 °C rated value     60 Hz       • at 20 V at 40 °C rated value     60 Hz       • at 20 V at 40 °C rated value     55 kW	<ul> <li>intrinsic device protection</li> </ul>	Yes			
• auto-RESETYes• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Conly in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsYes• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value200 480 V• relative negative tolerance of the operating voltage-15 %• relative positive tolerance of the operating voltage-15 %• at 200 V at 40 °C rated value55 kW• at 40 °C rated value0%• at 200 V at 40 °C rated value60 Hz• at 200 V at 40 °C rated value60 Hz• at 200 V at 40 °C rated value60 Hz	<ul> <li>motor overload protection</li> </ul>				
• manual RESETYes• remote resetYes; By turning off the control supply voltage• communication functionYes; Only in conjunction with special accessories• operating measured value displayYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; only in conjunction with special accessories• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsYes• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 A• relative negative tolerance of the operating voltage-15 %• relative negative tolerance of the operating voltage10 %• operating frequency 1 rated value50 Hz• at 40 °C rated value50 Hz• at 40 °C rated value00 %• at 20 V at 40 °C rated value60 Hz• at 20 V at 40 °C rated value50 Hz• at 20 V at 40 °C rated value50 Hz• at 20 V at 40 °C rated value60 Hz	<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick			
• remote resetYes; By turning off the control supply voltage• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsYes• of C rated value210 A• at 40 °C rated value186 A• at 50 °C rated value200 480 V• relative negative tolerance of the operating voltage10 %• operating power for 3-phase motors10 %• at 20 V at 40 °C rated value55 kW• at 40 V at 40 °C rated value50 hz• at 40 V at 40 °C rated value60 Hz• at 40 V at 40 °C rated value50 hz• at 20 V at 40 °C rated value50 Hz• at 20 V at 40 °C rated value60 Hz	auto-RESET	Yes			
• communication functionYes• operating measured value displayYes; Only in conjunction with special accessories• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsYes• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value200 480 V• rated value200 480 V• rated value0%• at 30 V at 40 °C rated value10 %• at 40 °C rated value10 %• at 40 °C rated value10 %• at 40 °C rated value55 kW• at 40 °C rated value50 kL• at 40 °C r	manual RESET	Yes			
• operating measured value display       Yes; Only in conjunction with special accessories         • error logbook       Yes; Only in conjunction with special accessories         • via software parameterizable       No         • via software configurable       Yes;         • PROFlenergy       Yes; in connection with the PROFINET Standard communication module         • voltage ramp       Yes;         • torque control       No         • analog output       No         Power Electronics       Power Electronics         operating voltage       100 A         • at 40 °C rated value       186 A         • at 60 °C rated value       170 A         operating power for 3-phase motors       -15 %         • at 200 V at 40 °C rated value       10 %         operating roquery 1 rated value       55 kW         • at 40 °C rated value       50 Hz         Operating frequency 1 rated value       50 Hz         Operating frequency 1 rated value       60 Hz         • at 40 °C rated value       50 Hz	remote reset	Yes; By turning off the control supply voltage			
• error logbookYes; Only in conjunction with special accessories• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsPower Electronicsoperational current • at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value170 Aoperating voltage • rated value-15 %relative negative tolerance of the operating voltage • at 40 °C rated value10 %operating power for 3-phase motors • at 40 °C rated value55 kW• at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hz• relative negative tolerance of the operating frequency • rol 60 Hz-10 %	<ul> <li>communication function</li> </ul>	Yes			
• via software parameterizableNo• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower Electronicsoperational current • at 40 °C rated value210 A• at 60 °C rated value186 A• at 60 °C rated value170 Aoperating voltage • rated value200 480 Vrelative negative tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value110 kWOperating frequency 2 rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 400 V at 40 °C rated value50 Hz• at 20 V at 40 regative tolerance of the operating frequency-10 %	<ul> <li>operating measured value display</li> </ul>				
• via software configurableYes• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower ElectronicsOperational current at 40 °C rated value• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage • rated value-15 %relative negative tolerance of the operating voltage • at 400 °C rated value-15 %operating power for 3-phase motors • at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hz• relative negative tolerance of the operating frequency • rated value-10 %	error logbook	Yes; Only in conjunction with special accessories			
• PROFlenergyYes; in connection with the PROFINET Standard communication module• voltage rampYes• torque controlNo• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value186 A• at 60 °C rated value170 A• at 60 °C rated value200 480 Vrelative negative tolerance of the operating voltage-15 %• at 230 V at 40 °C rated value10 %operating power for 3-phase motors-15 % W• at 400 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hz- relative negative tolerance of the operating frequency-10 %	<ul> <li>via software parameterizable</li> </ul>	No			
wodule       • voltage ramp       • torque control       • torque control       • analog output       No       Power Electronics       operational current       • at 40 °C rated value       • at 50 °C rated value       186 A       • at 60 °C rated value       170 A       operating voltage       • rated value       200 480 V       relative negative tolerance of the operating voltage       10 %       operating power for 3-phase motors       • at 400 V at 40 °C rated value       55 kW       • at 400 V at 40 °C rated value       60 Hz       relative negative tolerance of the operating frequency       -10 %	<ul> <li>via software configurable</li> </ul>	Yes			
• torque controlNo• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage10 %operating power for 3-phase motors110 kW• at 400 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value60 Hzoperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %	PROFlenergy	·			
• analog outputNoPower Electronicsoperational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage10 %operating power for 3-phase motors55 kW• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %	<ul> <li>voltage ramp</li> </ul>	Yes			
Power Electronics         operational current         • at 40 °C rated value         • at 50 °C rated value         • at 60 °C rated value         • at 60 °C rated value         • at 60 °C rated value         • rated value         • rated value         • rated value         • rated value         200 480 V         relative negative tolerance of the operating voltage         • relative positive tolerance of the operating voltage         10 %         operating power for 3-phase motors         • at 230 V at 40 °C rated value         55 kW         • at 400 V at 40 °C rated value         50 Hz         Operating frequency 1 rated value         60 Hz         relative negative tolerance of the operating frequency	torque control	No			
operational current210 A• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors55 kW• at 230 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %		No			
• at 40 °C rated value210 A• at 50 °C rated value186 A• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value50 HzOperating frequency 1 rated value60 Hzrelative negative tolerance of the operating frequency-10 %	Power Electronics				
<ul> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> <li>at 60 °C rated value</li> <li>operating voltage</li> <li>rated value</li> <li>200 480 V</li> <li>relative negative tolerance of the operating voltage</li> <li>-15 %</li> <li>relative positive tolerance of the operating voltage</li> <li>10 %</li> <li>operating power for 3-phase motors</li> <li>at 230 V at 40 °C rated value</li> <li>55 kW</li> <li>at 400 V at 40 °C rated value</li> <li>110 kW</li> <li>Operating frequency 1 rated value</li> <li>50 Hz</li> <li>Operating frequency 2 rated value</li> <li>60 Hz</li> <li>relative negative tolerance of the operating frequency</li> <li>-10 %</li> </ul>	operational current				
• at 60 °C rated value170 Aoperating voltage200 480 V• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors-• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %	<ul> <li>at 40 °C rated value</li> </ul>	210 A			
operating voltage• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors	• at 50 °C rated value	186 A			
• rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %operating power for 3-phase motors	• at 60 °C rated value	170 A			
relative negative tolerance of the operating voltage       -15 %         relative positive tolerance of the operating voltage       10 %         operating power for 3-phase motors       10 %         • at 230 V at 40 °C rated value       55 kW         • at 400 V at 40 °C rated value       110 kW         Operating frequency 1 rated value       50 Hz         Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %	operating voltage				
relative positive tolerance of the operating voltage10 %operating power for 3-phase motors					
operating power for 3-phase motors• at 230 V at 40 °C rated value55 kW• at 400 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %					
• at 230 V at 40 °C rated value       55 kW         • at 400 V at 40 °C rated value       110 kW         Operating frequency 1 rated value       50 Hz         Operating frequency 2 rated value       60 Hz         relative negative tolerance of the operating frequency       -10 %		10 %			
• at 400 V at 40 °C rated value110 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %					
Operating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %					
Operating frequency 2 rated value     60 Hz       relative negative tolerance of the operating frequency     -10 %					
relative negative tolerance of the operating frequency -10 %					
relative positive tolerance of the operating frequency 10 %		10 %			
adjustable motor current	-				
at rotary coding switch on switch position 1     90 A					
at rotary coding switch on switch position 2     98 A					
• at rotary coding switch on switch position 3 106 A	<ul> <li>at rotary coding switch on switch position 3</li> </ul>	106 A			

<ul> <li>at rotary coding switch on switch position 4</li> </ul>	114 A				
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	122 A				
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	130 A				
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	138 A				
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	146 A				
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	154 A				
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	162 A				
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	170 A				
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	178 A				
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	186 A				
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	194 A				
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	202 A				
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	202 A 210 A				
• minimum	90 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	16 W				
• at 50 °C after startup	13 W				
• at 60 °C after startup	11 W				
power loss [W] at AC at current limitation 350 %					
<ul> <li>at 40 °C during startup</li> </ul>	2 237 W				
• at 50 °C during startup	1 867 W				
• at 60 °C during startup	1 637 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/DC				
control supply voltage at AC					
• at 50 Hz rated value	24 V				
• at 60 Hz rated value	24 V				
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %				
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %				
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %				
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %				
control supply voltage frequency	50 60 Hz				
relative negative tolerance of the control supply voltage frequency	-10 %				
relative positive tolerance of the control supply voltage frequency	10 %				
control supply voltage					
at DC rated value	24 V				
relative negative tolerance of the control supply voltage at DC	-20 %				
relative positive tolerance of the control supply voltage at DC	20 %				
control supply current in standby mode rated value	160 mA				
holding current in bypass operation rated value	490 mA				
locked-rotor current at close of bypass contact maximum	7.6 A				
inrush current peak at application of control supply voltage maximum	3.3 A				
duration of inrush current peak at application of control supply voltage	12.1 ms				
design of the overvoltage protection	Varistor				
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit 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 inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick		
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			
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A		
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	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	230 mm		
width	160 mm		
depth	282 mm		
required spacing with side-by-side mounting			
<ul> <li>forwards</li> </ul>	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	45 mm		
wire length for thermistor connection			
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m		
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	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 clamping point solid</li> </ul>	95 300 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	70 240 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded without core end processing</li> </ul>	70 240 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	95 300 mm²		
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	3/0 600 kcmil		
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	120 240 mm²		
<ul> <li>at AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	250 500 kcmil		
<ul> <li>for main contacts for box terminal using both clamping points solid</li> </ul>	min. 2x 70 mm², max. 2x 240 mm²		
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²		
<ul> <li>for main contacts for box terminal using both clamping points finely stranded without core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²		
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	min. 2x 70 mm², max. 2x 240 mm²		
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	120 185 mm²		

<ul> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	120 185 mm²		
<ul> <li>for main contacts for box terminal using the back 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 mm²		
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	70 240 mm²		
type of connectable conductor cross-sections			
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
<ul> <li>for control circuit finely stranded with core end</li> </ul>	$1x (0.5 \dots 2.5 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$		
processing	1x (0.0 2.0 mm), 2x (0.0 1.0 mm)		
<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)		
wire length			
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m		
<ul> <li>at the digital inputs at AC maximum</li> </ul>	1 000 m		
tightening torque			
<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			
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			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above		
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C		
environmental category			
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
• during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
<ul> <li>during transport acc. 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			
PROFINET standard	Yes		
EtherNet/IP	Yes		
Modbus RTU	Yes		
Modbus TCP	Yes		
PROFIBUS	Yes		
UL/CSA ratings			
manufacturer's article number			
of circuit breaker			
<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; lq max = 65 kA		
• of the fuse			
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class L, max. 700 A; lq = 10 kA		
— usable for High Faults up to 575/600 V according to UL	Type: Class L, max. 700 A; Iq = 100 kA		
operating power [hp] for 3-phase motors			
• at 200/208 V at 50 °C rated value	60 hp		
• at 220/230 V at 50 °C rated value	60 hp		
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	150 hp		
Safety related data			
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover		
protoction class in on the none acc. to IEC 00323			

touch protection on the front acc. to	IEC 60529	finger-safe, for vertical contact from the front with cover			
ATEX		<b>0</b>			
certificate of suitability					
• ATEX		Yes			
• IECEx		Yes			
hardware fault tolerance acc. to IEC 6 ATEX	61508 relating to	0			
PFDavg with low demand rate acc. to relating to ATEX	IEC 61508	0.09	0.09		
PFHD with high demand rate acc. to I to ATEX	EN 62061 relating	0.000009 1/h			
Safety Integrity Level (SIL) acc. to IEC to ATEX	C 61508 relating	SIL1			
T1 value for proof test interval or service of the	vice life acc. to	3 у			
Certificates/ approvals					
		EHC	IECEx	ATEX A	
Declaration of Conformity	Test Certific	ates other			
Miscellaneous EG-Konf.	<u>Type Test Ce</u> ates/Test Re		<u>on</u>		
urther information Information- and Downloadcenter (Ca	atalogs Brochuras				
https://www.siemens.com/ic10	ataroyo, Di Utilui 65,	/			

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5072-6TB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5072-6TB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5072-6TB04&lang=en

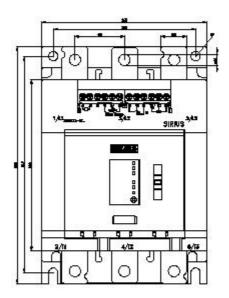
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

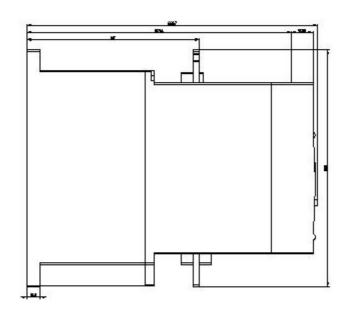
https://support.industry.siemens.com/cs/ww/en/ps/3RW5072-6TB04/char

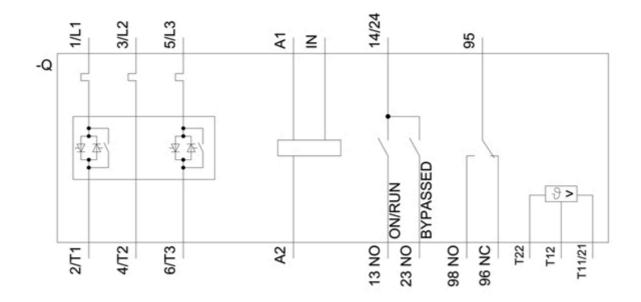
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5072-6TB04&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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