## **SIEMENS**



Data sheet 3RW5055-6TB04



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Screw terminals Thermistor input

Figure similar

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>	3RW5980-0HS01		
<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 usable up to 690 V</li> </ul>	3NE1 227-0; Type of coordination 2, Iq = 65 kA		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3 334 -0B; Type of coordination 2, Iq = 65 kA		
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1055</u>		
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1055</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		
is supported HMI-High Feature	Yes		
product feature integrated bypass contact system	Yes		
number of controlled phases	2		

Asia alaaa	01 4 0 0 4 0 4 / 4 0 5 / 4 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
trip class	CLASS 10A / 10E ( 20E, acc. to IEC 60947-4-2			
buffering time in the event of power failure	400 mg			
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	000.1/			
between main and auxiliary circuit     shock resistance	600 V			
vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 15 mm to 6 Hz; 2g to 500 Hz			
utilization category according to IEC 60947-4-2	AC-53a			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	09/23/2019			
product function	09/20/2019			
• 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			
<ul> <li>remote reset</li> </ul>	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			
voltage ramp	Yes			
• torque control	No 			
analog output	No			
Power Electronics				
operational current  • at 40 °C rated value	143 A			
at 40 °C rated value     at 50 °C rated value	143 A 128 A			
at 50 °C rated value     at 60 °C rated value	128 A 118 A			
	118 A			
operating voltage	200 480 V			
relative negative tolerance of the operating voltage	-15 %			
relative negative tolerance of the operating voltage	10 %			
operating power for 3-phase motors				
at 230 V at 40 °C rated value	37 kW			
• at 400 V at 40 °C rated value	75 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>	68 A			
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	73 A			
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	78 A			

<ul> <li>at rotary coding switch on switch position 4</li> </ul>	83 A			
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	A 88			
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	83 A 88 A 93 A dientudong			
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	98 A			
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	103 A			
at rotary coding switch on switch position 9	108 A			
at rotary coding switch on switch position 10	113 A			
at rotary coding switch on switch position 11	118 A			
at rotary coding switch on switch position 12	123 A			
at rotary coding switch on switch position 12     at rotary coding switch on switch position 13	123 A 128 A			
at rotary coding switch on switch position 14				
	133 A			
at rotary coding switch on switch position 15     at rotary coding switch on switch position 16	138 A			
<ul><li>at rotary coding switch on switch position 16</li><li>minimum</li></ul>	143 A 68 A			
minimum load [%]	15 %; Relative to smallest settable le			
power loss [W] for rated value of the current at AC	22.1//			
at 40 °C after startup      at 50 °C after startup	23 W			
at 50 °C after startup      at 60 °C after startup	19 W			
• at 60 °C after startup	16 W			
power loss [W] at AC at current limitation 350 %	4.226.14			
• at 40 °C during startup	1 336 W			
• at 50 °C during startup	1 134 W			
at 60 °C during startup	1 007 W			
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor			
Control circuit/ Control	AO/DO			
type of voltage of the control supply voltage	AC/DC			
control supply voltage at AC	041/			
• 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	360 mA			
locked-rotor current at close of bypass contact	7.6 A			
maximum				
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 digital outputs	3			

not parameterizable	2 dientudena			
digital output version	2 normally-open come ts (NC) / 1 clange (V r tcn ac (CD))			
number of analog outputs	o Juionaudily			
switching capacity current of the relay outputs				
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	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				
<ul><li>forwards</li></ul>	10 mm			
<ul><li>backwards</li></ul>	0 mm			
<ul><li>upwards</li></ul>	100 mm			
<ul><li>downwards</li></ul>	75 mm			
at the side	5 mm			
weight without packaging	3.2 kg			
Connections/ Terminals				
type of electrical connection				
for main current circuit	busbar connection			
for control circuit	screw-type 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	250 111			
for main contacts for box terminal using the front	16 120 mm²			
clamping point solid	10 120 11111			
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end</li> </ul>	16 120 mm²			
processing				
<ul> <li>for main contacts for box terminal using the front</li> </ul>	10 120 mm²			
clamping point finely stranded without core end	10 120 Hilli			
processing				
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	16 70 mm²			
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	6 250 kcmil			
for main contacts for box terminal using the back clamping point solid	16 120 mm²			
at AWG cables for main contacts for box terminal using the back clamping point	6 250 kcmil			
for main contacts for box terminal using both clamping points solid	max. 1x 95 mm², 1x 120 mm²			
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²			
<ul> <li>for main contacts for box terminal using both clamping points finely stranded without core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²			
for main contacts for box terminal using both	max. 2x 120 mm²			
clamping points stranded  • for main contacts for box terminal using the back clamping point finely stranded with core end	16 120 mm²			
<ul> <li>processing</li> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	10 120 mm²			
for main contacts for box terminal using the back clamping point stranded	16 120 mm²			
type of connectable conductor cross-sections				

<ul> <li>at AWG cables for main current circuit solid</li> </ul>	4 250 kcmil			
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	4 250 KCMII 16 95 mm² 25 120 mm²			
• for DIN cable lug for main contacts finely stranded	25 120 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 processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)			
at AWG cables for control circuit solid	1x (20 12), 2x (20 14)			
wire length				
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m			
at the digital inputs at AC maximum	1 000 m			
tightening torque				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	10 14 N·m			
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m			
tightening torque [lbf·in]				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in			
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in			
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			
during storage and transport	-40 +80 °C			
environmental category				
<ul> <li>during operation according to IEC 60721</li> </ul>	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			
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference	acc. to IEC 60947-4-2: Class A			
Communication/ Protocol	acc. to IEC 60947-4-2: Class A			
Communication/ Protocol communication module is supported				
Communication/ Protocol  communication module is supported  • PROFINET standard	Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP	Yes Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	Yes Yes Yes Yes			
communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	Yes Yes Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes Yes			
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes Yes			
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	Yes Yes Yes Yes Yes Yes Yes Yes Yes			
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	Yes			
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	Yes Yes Yes Yes Yes Yes Yes Yes Yes			
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  operating power [hp] for 3-phase motors	Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 460/480 V at 50 °C rated value  Safety related data  protection class IP on the front according to IEC	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp  IP00; IP20 with cover			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  Safety related data  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529	Yes Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  safety related data  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp  IP00; IP20 with cover			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp  IP00; IP20 with cover  finger-safe, for vertical contact from the front with cover			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  safety related data  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp  IP00; IP20 with cover			
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  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value  at 220/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  Safety related data  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  certificate of suitability  ATEX	Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp  IP00; IP20 with cover finger-safe, for vertical contact from the front with cover			

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relating to ATEX		All and to dame
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.09	🕶 )alentuaong
PFHD with high demand rate according to EN 62061 relating to ATEX	9E-6 1/h	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1	
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 y	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life	-	

## Certificates/ approvals

## **General Product Approval**

For use in hazardous locations



Confirmation









For use in hazardous locations Declaration of Conformity

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







other

Confirmation

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5055-6TB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5055-6TB04

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-6TB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5055-6TB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-6TB04/char

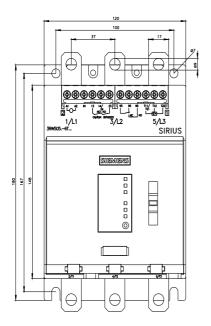
Characteristic: Installation altitude

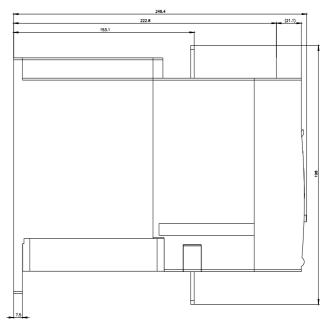
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5055-6TB04&objecttype=14&gridview=view1

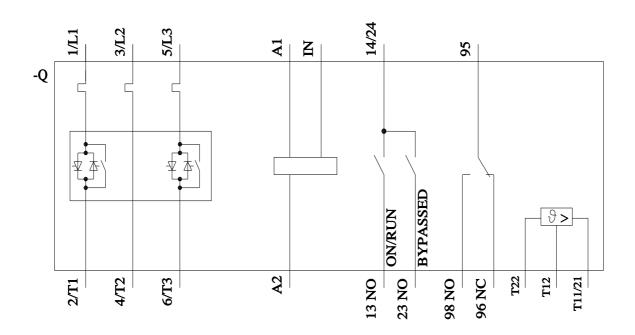
Simulation Tool for Soft Starters (STS)

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









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