# **SIEMENS**

Data sheet 3RW5056-2AB05



SIRIUS soft starter 200-600 V 171 A, 24 V AC/DC Spring-loaded terminals Analog output

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 230-0: 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 335; Type of coordination 2, Iq = 65 kA
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1056</u>
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1064</u>
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; 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 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	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 mg		
• 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	1 800 V		
service factor	1		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for protective separation	0001/		
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		
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			
• 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		
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection		
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No		
• 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		
• error logbook	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		
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)		
Power Electronics			
operational current			
at 40 °C rated value	171 A		
<ul> <li>at 50 °C rated value</li> </ul>	153 A		
at 60 °C rated value	141 A		
operating voltage			
• rated value	200 600 V		
relative negative tolerance of the operating voltage	-15 %		
relative positive tolerance of the operating voltage	10 %		
operating power for 3-phase motors			
• at 230 V at 40 °C rated value	45 kW		
• at 400 V at 40 °C rated value	90 kW		
at 500 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 %		
relative positive tolerance of the operating frequency	10 %		
adjustable motor current			
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	81 A		
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	87 A		
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	93 A		
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	99 A		
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	105 A		
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	111 A		
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	117 A		

* at fotary coding switch no switch position 0 * at fotary coding switch no switch position 11 * at fotary coding switch no switch position 11 * at fotary coding switch no switch position 13 * at fotary coding switch no switch position 13 * at fotary coding switch no switch position 13 * at fotary coding switch no switch position 15 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at fotary coding switch no switch position 16 * at 60 °C after startup * at 60 °C after sta				
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* an infairmum		165 A		
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AC at 60 Hz  control supply voltage frequency  relative negative tolerance of the control supply voltage frequency  relative positive tolerance of the control supply voltage  * at DC rated value  * at DC rated value  relative negative tolerance of the control supply voltage at DC  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value  holding current in bypass operation rated value  holding current by closing the bypass contacts maximum  inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit  frequency  12.1 ms  voltage  design of short-circuit protection for control circuit  socope of supply  Inputs/ Outputs  number of digital inputs  number of digital inputs  number of digital inputs  number of alignate inputs  number of analog outputs  • not parameterizable  2 control supply voltage  digital output version  2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  • at AC-15 at 250 V rated value  • at DC-3 at 24 V rated value  1 A  SA  A  **A C-15 at 250 V rated value  **A DC-13 at 24 V rated value  **A DC-13 at 24 V rated value  **A DC-13 at 24 V rated value  **A DC-15 at 250 V rated value		20 %		
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relative positive tolerance of the control supply voltage frequency  control supply voltage				
frequency control supply voltage	frequency			
e at DC rated value  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit  at 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  number of digital outputs  on to parameterizable  digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  ot A C-15 at 250 V rated value  at DC-13 at 24 V rated value  1 A		10 %		
relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum rush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage maximum  design of the overvoltage protection  design of short-circuit protection for control circuit  protection for control circuit  and 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  number of digital outputs  onto parameterizable digital output version  number of analog outputs  at AC-15 at 250 V rated value  at AC-15 at 250 V rated value  1 A	control supply voltage			
relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum rinush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit  12.1 ms  voltage  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= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  number of analog outputs  number of analog outputs  1 control supply 2 control supply 2 control supply 3 control supply 3 control supply 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  1 control supply 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  1 control supply 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  1 control supply current of digital inputs 1 control supply current of the relay outputs 1 contr	at DC rated value	24 V		
control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum rush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection  Varistor  design of short-circuit protection for control circuit  veltage  Varistor  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 number of digital outputs on to parameterizable digital output version 1 control supply 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs of at AC-15 at 250 V rated value at AC-13 at 24 V rated value  1 A		-20 %		
holding current in bypass operation rated value  inrush current by closing the bypass contacts maximum  inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  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  number of digital outputs  onto parameterizable  digital output version number of analog outputs  switching capacity current of the relay outputs  other inputs/ Outputs  at AC-15 at 250 V rated value  at AC-13 at 24 V rated value  at AC-13 at 24 V rated value  at AC-13 at 24 V rated value  at AC-15 at 250 V rated value  at AC-15 at 24 V rated value  at AC-15 at 250 V rated value  at AC-15 at 24 V rated value  at AC-15 at 250 V rated value  at AC-15 at 24 V rated value  at AC-15 at 250 V rated value  at AC-15 at 24 V rated value  at AC-15 at 24 V rated value		20 %		
inrush current by closing the bypass contacts maximum 7.6 A inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  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 • not parameterizable 2  digital output version 1 cynomially-open contacts (NO) / 1 changeover contact (CO) number of analog outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value 1 A	control supply current in standby mode rated value	160 mA		
inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  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  • not parameterizable  2 digital output version  1 unumber of analog outputs  1 switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  1 1.3.3 A  3.3 A  3.3 A  3.3 A  12.1 ms  13.3 A  14.3 quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  Inputs/ Outputs  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  Inputs/ Outputs  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  1 a guick-acting fuse (I	holding current in bypass operation rated value	360 mA		
maximum  duration of inrush current peak at application of control supply voltage  design of the overvoltage protection  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  • not parameterizable  2 digital output version  2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  1 a Guranting Supply  12.1 ms  14. A G quick-acting fuse (Icu=1 kA), 6 A quick-	inrush current by closing the bypass contacts maximum	7.6 A		
design of the overvoltage protection  design of short-circuit protection for control circuit  design of short-circuit protection for control circuit  linputs/ Outputs  number of digital inputs  number of digital outputs  number of digital outputs  number of analog outputs  2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  switching capacity current of the relay outputs  at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  Varistor  4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1  1  2 normally-open contacts (NO) / 1 changeover contact (CO)  1 at AC-15 at 250 V rated value  3 A  1 A	1 11 11 11 7	3.3 A		
design of the overvoltage protectionVaristordesign of short-circuit protection for control circuit4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supplyInputs/ Outputs1number of digital inputs1number of digital outputs3• not parameterizable2digital output version2 normally-open contacts (NO) / 1 changeover contact (CO)number of analog outputs1switching capacity current of the relay outputs3 A• at AC-15 at 250 V rated value3 A• at DC-13 at 24 V rated value1 A		12.1 ms		
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  number of digital outputs  onto parameterizable  digital output version  2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  switching capacity current of the relay outputs  o at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  1 A		Varistor		
Inputs/ Outputs  number of digital inputs  number of digital outputs  onto parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  o at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  1  1  1  1  1  1  1  1  1  1  1  1  1		breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of		
number of digital inputs  number of digital outputs  ont parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs  o at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  1  1  1  2  1  3  2  1  3  3  3  4  1  1  3  4  1  1  1  1  1  1  1  1  1  1  1  1		scope of supply		
number of digital outputs  onot parameterizable  digital output version  2 normally-open contacts (NO) / 1 changeover contact (CO)  number of analog outputs  switching capacity current of the relay outputs  o at AC-15 at 250 V rated value  at DC-13 at 24 V rated value  1 A				
not parameterizable      digital output version     2 normally-open contacts (NO) / 1 changeover contact (CO)     number of analog outputs     switching capacity current of the relay outputs     • at AC-15 at 250 V rated value     • at DC-13 at 24 V rated value     1 A	number of digital inputs			
digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO) number of analog outputs 1  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value 3 A • at DC-13 at 24 V rated value 1 A				
number of analog outputs  switching capacity current of the relay outputs  • at AC-15 at 250 V rated value  • at DC-13 at 24 V rated value  1 A	not parameterizable			
switching capacity current of the relay outputs  • at AC-15 at 250 V rated value 3 A  • at DC-13 at 24 V rated value 1 A	digital output version			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> <li>1 A</li> </ul>	number of analog outputs	1		
at DC-13 at 24 V rated value     1 A	switching capacity current of the relay outputs			
	• at AC-15 at 250 V rated value	3 A		
Installation/ mounting/ dimensions	• 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 +/- $22.5^\circ$ tiltable to the front and back		
fastening method	screw fixing		
height	198 mm		
width	120 mm		
depth	249 mm		
required spacing with side-by-side mounting			
• forwards	10 mm		
backwards	0 mm		
• upwards	0 mm 100 mm		
downwards	75 mm		
at the side	5 mm		
weight without packaging	5.2 kg		
onnections/ Terminals	3.2 Ng		
type of electrical connection			
for main current circuit	busbar connection		
for control circuit	spring-loaded terminals		
width of connection bar maximum	25 mm		
	25 111111		
type of connectable conductor cross-sections	16 120 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point solid</li> </ul>	16 120 mm²		
for main contacts for box terminal using the front clamping point finely stranded with core end processing	16 120 mm²		
for main contacts for box terminal using the front clamping point finely stranded without core end processing	10 120 mm <sup>2</sup>		
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	16 70 mm²		
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	16 120 mm²		
<ul> <li>for AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	6 250 kcmil		
<ul> <li>for main contacts for box terminal using both clamping points solid</li> </ul>	max. 1x 95 mm², 1x 120 mm²		
for main contacts for box terminal using both clamping points finely stranded with core end processing	max. 1x 95 mm², 1x 120 mm²		
for main contacts for box terminal using both clamping points finely stranded without core end processing	max. 1x 95 mm², 1x 120 mm²		
for main contacts for box terminal using both clamping points stranded     for main contacts for box terminal using the back.	max. 2x 120 mm <sup>2</sup>		
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> <li>for main contacts for box terminal using the back</li> </ul>	16 120 mm <sup>2</sup>		
clamping point finely stranded without core end processing  • for main contacts for box terminal using the back	10 120 mm <sup>2</sup>		
clamping point stranded	10 120 11111		
type of connectable conductor cross-sections			
for AWG cables for main current circuit solid	4 250 kcmil		
• for DIN cable lug for main contacts stranded	16 95 mm²		
for DIN cable lug for main contacts finely stranded	25 120 mm²		
type of connectable conductor cross-sections			
for control circuit solid	2x (0.25 1.5 mm²)		
for control circuit finely stranded with core end processing	2x (0.25 1.5 mm²)		
for AWG cables for control circuit solid	2x (24 16)		
for AWG cables for control circuit finely stranded with core end processing	2x (24 16)		
wire length			
between soft starter and motor maximum	800 m		
at the digital inputs at AC maximum	1 000 m		
tightening torque			
	10 14 N·m		
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m		
tightening torque [lbf·in]			
• for main contacts with screw-type terminals	89 124 lbf-in		
for auxiliary and control contacts with screw-type	7 10.3 lbf·in		
terminals	7 10.0 IDI III		

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			
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			
PROFINET standard	Yes		
EtherNet/IP	Yes		
Modbus RTU	Yes		
Modbus TCP	Yes		
PROFIBUS	Yes		
UL/CSA ratings			
manufacturer's article number			
of circuit breaker			
	Sigmono typo: 2\/A5225 may 250 A: Ia = 10 kA		
usable for Standard Faults at 460/480 V according to UL	Siemens type: 3VA5225, max. 250 A; Iq = 10 kA		
— usable for High Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; lq max = 65 kA		
<ul> <li>of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; Iq = 10 kA		
usable for High Faults up to 575/600 V according to UL	Type: Class J, max. 350 A; Iq = 100 kA		
operating power [hp] for 3-phase motors			
• at 200/208 V at 50 °C rated value	50 hp		
• at 220/230 V at 50 °C rated value	50 hp		
• at 460/480 V at 50 °C rated value	100 hp		
• at 575/600 V at 50 °C rated value	150 hp		
Safety related data	155 115		
protection class IP on the front according to IEC 60529	IP00: IP20 with cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover		
	linger-sale, for vertical contact from the front with cover		
ATEX			
certificate of suitability	V		
• ATEX	Yes		
• IECEX	Yes		
• UKEX	Yes		
hardware fault tolerance according to IEC 61508 relating to ATEX	0		
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.09		
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 a		
Certificates/ approvals			
General Product Approval		For use in hazard- ous locations	



Confirmation









For use in hazardous locations Declaration of Conformity Test Certificates Marine / Shipping



Explosion Protection Certificate





Type Test Certificates/Test Report



Marine / Shipping

other





Confirmation

#### **Further information**

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

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

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

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

## Information on the packaging

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

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5056-2AB05

### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5056-2AB05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2AB05

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5056-2AB05&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

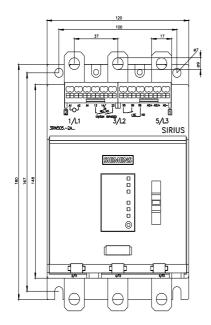
https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2AB05/char

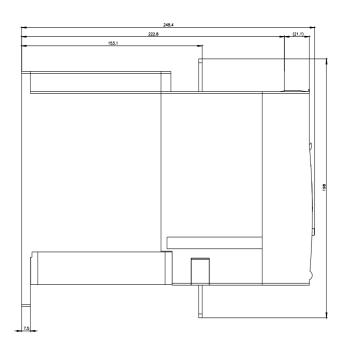
Characteristic: Installation altitude

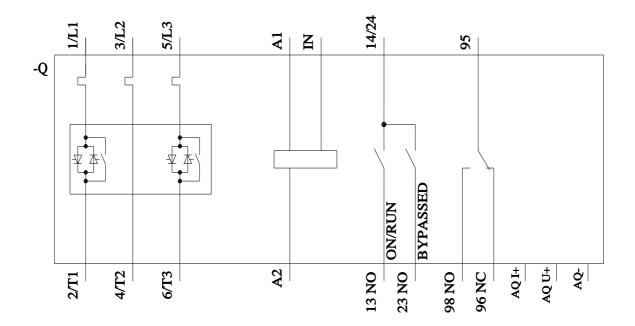
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5056-2AB05\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







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