## **SIEMENS**

Data sheet 3RW5056-2AB14

SIRIUS



SIRIUS soft starter 200-480 V 171 A, 110-250 V AC Spring-loaded terminals Analog output

Figure similar

product brand name

produce and an annual control	
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS01</u>
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection 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 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

trin along	CLASS 10A / 10F (prepet) / 20F; and to JEC 60047 4.2
trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2
<ul> <li>buffering time in the event of power failure</li> <li>for main current circuit</li> </ul>	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	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	23.09.2019 00:00:00
product function	
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
<ul> <li>intrinsic device protection</li> </ul>	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
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
<ul><li>voltage ramp</li></ul>	Yes
torque control	No
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
• at 50 °C rated value	153 A
at 60 °C rated value	141 A
operating voltage	
rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	45 kW
at 400 V at 40 °C rated value	90 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	2.1
<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
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	129 A
at rotary coding switch on switch position 10	135 A
at rotary coding switch on switch position 11	141 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	147 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	153 A
at rotary coding switch on switch position 14	159 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	165 A
at rotary coding switch on switch position 16	171 A
• minimum	81 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	29 W
• at 50 °C after startup	23 W
<ul> <li>at 60 °C after startup</li> </ul>	20 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	1 751 W
<ul> <li>at 50 °C during startup</li> </ul>	1 478 W
at 60 °C during startup	1 308 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
● at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	80 mA
locked-rotor current at close of bypass contact	2.5 A
maximum	
• • • • • • • • • • • • • • • • • • • •	12.2 A
maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage	2.2 ms
maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control	
maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage	2.2 ms
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	<ul> <li>2.2 ms</li> <li>Varistor</li> <li>4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is</li> </ul>
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	<ul> <li>2.2 ms</li> <li>Varistor</li> <li>4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is</li> </ul>
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	2.2 ms  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
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  Inputs/ Outputs  number of digital inputs	2.2 ms  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
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  Inputs/ Outputs number of digital inputs number of inputs for thermistor connection	2.2 ms  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  1 0
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  Inputs/ Outputs number of digital inputs number of digital outputs	2.2 ms  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  1 0 3

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
nstallation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	198 mm
width	120 mm
depth	249 mm
required spacing with side-by-side mounting	
• forwards	10 mm
• backwards	0 mm
• upwards	100 mm
downwards	75 mm
at the side	5 mm
weight without packaging	5.2 kg
onnections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	spring-loaded terminals
width of connection bar maximum	25 mm
type of connectable conductor cross-sections	
for main contacts for box terminal using the front clamping point solid	16 120 mm²
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	16 120 mm²
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded without core end processing</li> </ul>	10 120 mm²
for main contacts for box terminal using the front clamping point stranded	16 70 mm²
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	6 250 kcmil
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	16 120 mm²
<ul> <li>at 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
<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
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	max. 2x 120 mm²
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	16 120 mm²
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	10 120 mm²
<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	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>	16 95 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>	2x (0.25 1.5 mm²)

for control circuit finely stranded with core end     processing.	2x (0.25 1.5 mm²)
<ul><li>processing</li><li>at AWG cables for control circuit solid</li></ul>	2v (24 16)
	2x (24 16)
<ul> <li>at AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)
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	
for main contacts with screw-type terminals	10 14 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	010 m 11 <u>2</u> 1 € 11.
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</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
saming operation	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
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
	not get inside the devices), 1M4
during transport acc. 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	
communication module is supported	
<ul> <li>PROFINET standard</li> </ul>	Yes
<ul><li>EtherNet/IP</li></ul>	Yes
<ul><li>EtherNet/IP</li><li>Modbus RTU</li></ul>	Yes Yes
<ul><li>Modbus RTU</li><li>Modbus TCP</li></ul>	Yes Yes
<ul><li>Modbus RTU</li><li>Modbus TCP</li><li>PROFIBUS</li></ul>	Yes
Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings	Yes Yes
Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes
Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker	Yes Yes Yes
Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker  — usable for Standard Faults at 460/480 V	Yes Yes
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	Yes Yes Yes
Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker  — usable for Standard Faults at 460/480 V	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA
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     — usable for High Faults at 460/480 V according	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; Iq = 10 kA
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     — usable for High Faults at 460/480 V according to UL	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA
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  usable for High Faults at 460/480 V according to UL  of the fuse	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA
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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL	Yes Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA
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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA
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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors  at 200/208 V at 50 °C rated value	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; lq = 10 kA  Siemens type: 3VA52, max. 250 A; lq max = 65 kA  Type: Class RK5 / K5, max. 400 A; lq = 10 kA  Type: Class J, max. 350 A; lq = 100 kA
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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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors  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  Siemens type: 3VA5225, max. 250 A; lq = 10 kA  Siemens type: 3VA52, max. 250 A; lq max = 65 kA  Type: Class RK5 / K5, max. 400 A; lq = 10 kA  Type: Class J, max. 350 A; lq = 100 kA
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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 — usable for High Faults at 460/480 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors 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 acc. to IEC 60529	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  50 hp 50 hp 100 hp
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 — usable for High Faults at 460/480 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL  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  at 460/480 V at 50 °C rated value  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  50 hp 50 hp 100 hp
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  usable for High Faults at 460/480 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors  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  at 460/480 V at 50 °C rated value  at 460/480 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 acc. to IEC 60529  touch protection on the front acc. to IEC 60529	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  50 hp 50 hp 100 hp
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 — usable for High Faults at 460/480 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors 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 acc. to IEC 60529  touch protection on the front acc. to IEC 60529  ATEX certificate of suitability	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  50 hp 50 hp 100 hp  IP00; IP20 with cover finger-safe, for vertical contact from the front with cover
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 — usable for High Faults at 460/480 V according to UL  of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL  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  at 460/480 V at 50 °C rated value  at 460/480 V at 50 °C rated value  at 460/480 V at 50 °C rated value  Tately related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  ATEX  certificate of suitability  ATEX	Yes Yes Yes  Siemens type: 3VA5225, max. 250 A; Iq = 10 kA  Siemens type: 3VA52, max. 250 A; Iq max = 65 kA  Type: Class RK5 / K5, max. 400 A; Iq = 10 kA  Type: Class J, max. 350 A; Iq = 100 kA  50 hp 50 hp 100 hp  IP00; IP20 with cover finger-safe, for vertical contact from the front with cover

ATEX	
PFDavg with low demand rate acc. to IEC 61508 relating to ATEX	0.09
PFHD with high demand rate acc. to EN 62061 relating to ATEX	0.000009 1/h
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX	SIL1
T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	3 y

Certificates/ approvals

**General Product Approval** 

For use in hazardous locations













**Declaration of Conformity** 

**Test Certificates** 

other

**Miscellaneous** 



Type Test Certificates/Test Report

Confirmation

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5056-2AB14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5056-2AB14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2AB14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5056-2AB14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

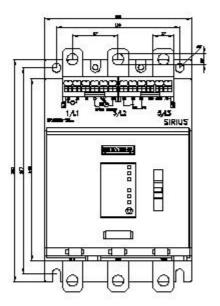
https://support.industry.siemens.com/cs/ww/en/ps/3RW5056-2AB14/char

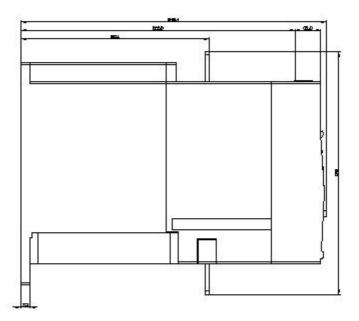
Characteristic: Installation altitude

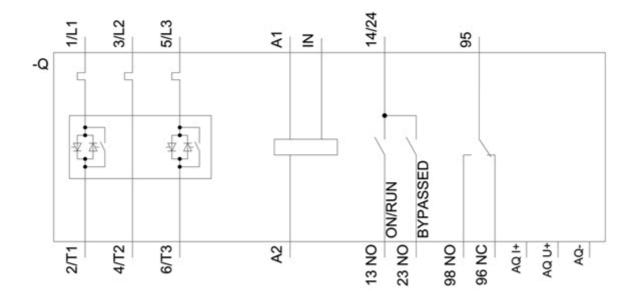
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5056-2AB14\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







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