SIEMENS

Data sheet 3RW5055-2AB14

SIRIUS



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC Spring-loaded terminals Analog output

Figure similar

product brand name

product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
 of standard HMI module usable 	3RW5980-0HS01
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
 of circuit breaker usable at 500 V 	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
 of the gG fuse usable up to 690 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1 227-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3 334 -0B; Type of coordination 2, Iq = 65 kA
 of line contactor usable up to 480 V 	<u>3RT1055</u>
 of line contactor usable up to 690 V 	<u>3RT1055</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

buffering time in the event of power failure • for main current circuit • for main current circuit • for control circuit insulation voltage rated value degree of pollution impulse voltage rated value 6 kV blocking voltage of the thyristor maximum 1 400 V service factor 5 urge voltage resistance rated value 6 kV maximum permissible voltage for safe isolation • between main and auxillary circuit \$ oo0 V \$ shock resistance vibration resistance		
• for main current circuit insulation voltage rated value 600 V degree of pollution • for control circuit impulse voltage rated value 6 kV blocking voltage of the thryistor maximum 1 400 V service factor 1 surge voltage resistance rated value 6 kV maximum permissible voltage for safe isolation • between main and auxiliary circuit 5 600 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 Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • auto-RESET • manual RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software parameterizable • via software parameterizable • via software configurable • PROFlenergy • voltage ramp • voltage ramp • voltage ramp • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2
for control circuit 100 ms 100 m	•	
insulation voltage rated value degree of pollution 3, a.c., to IEC 60947-4-2 impulse voltage rated value blocking voltage of the thyristor maximum 1400 V service factor 6 kV maximum permissible voltage for safe isolation • 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 m 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 4 ramp-up (soft starting) 7 ramp-down (soft stop) 8 soft Torque 9 adjustable current limitation 9 pump ramp down 9 pump ramp down 9 cintrinsic device protection 9 vestulation of thermistor motor protection 1 vestulation of unction 1 vestulation of unction 2 versil g manual RESET 3 remote reset 4 communication function 5 operating measured value display 6 error logbook 7 ves; Only in conjunction with special accessories 7 ves; Only in conjunction with special accessories 7 ves; Only in conjunction with the PROFINET Standard communication module 7 voltage ramp 7 ves 1 voltage ramp 1 ves; Only in connection with the PROFINET Standard communication module 1 voltage ramp 1 ves; Only in connection with the PROFINET Standard communication module 1 voltage ramp 1 ves; Only in connection with the PROFINET Standard communication module 1 voltage ramp 1 ves; Only in connection with the PROFINET Standard communication module 1 voltage ramp 1 ves; Only in connection with the PROFINET Standard communication module 2 voltage ramp 2 very C rated value 3 to 50° C rated value 3 to 50° C rated value 3 to 50° C rated value 4 to 50° C rated value 5 to 50° C rated value 5 to 50° C rated value 5 to 50° C rate	 for main current circuit 	100 ms
degree of pollution 3, acc. to IEC 60947-4-2	for control circuit	100 ms
Impulse voltage rated value blocking voltage of the thyristor maximum service factor surge voltage resistance rated value 6 kV maximum permissible voltage for safe isolation 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) Soft Torque 3 dijustable current limitation pump ramp down intrinsic device protection weakulation of thermistor motor protection auto-RESET mentor overload protection versible reset communication function perating measured value display error opgook via software parameterizable via software parameterizable via software parameterizable via software configurable via software configurable via software configurable via 40 °C rated value at 60 °C rated value	insulation voltage rated value	600 V
Discking voltage of the thyristor maximum 1 400 V	degree of pollution	3, acc. to IEC 60947-4-2
service factor surge voltage resistance rated value maximum permissible voltage for safe isolation between main and auxiliary circuit shock resistance vibration resistance reference code acc. to IEC 81346-2 Qu Substance Prohibitance (Date) ramp-down (soft stor) soft Torque adjustable current limitation evaluation of thermistor motor protection auto-RESET manual RESET remote reset communication function e remote reset communication function ves; Only in conjunction with special accessories ves; Only in conjunction with the PROFINET Standard communication module ves; 420 mA (default) / 0 10 V (parameterizable with High Featur Hill) Power Electronics operational current at 40 °C rated value at 60 °C rated value	impulse voltage rated value	6 kV
maximum permissible voltage for safe isolation • between main and auxiliary circuit shock resistance vibration resistance vibration resistance reference code acc. to IEC 81346-2 Qu Substance Prohibitance (Date) • ramp-up (soft starting) • ramp-up (soft starting) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • motor overload protection • unto-resistance • remote reset • communication function • ramoto overload protection • ramoto overload protection • ramoto overload protection • ramoto overload protection • ves (Soft Serging) • ramotor overload protection • ves (Soft Serging) • ves (Soft Serg	blocking voltage of the thyristor maximum	1 400 V
maximum permissible voltage for safe isolation	service factor	1
between main and auxiliary circuit shock resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • evaluation of thermistor motor protection • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • error logbook • via software parameterizable • via software configurable • Ves • PROFlenergy • torque control • voltage ramp • torque control • value doubted • value display • ves; Only in conjunction with special accessories • value software parameterizable • value configurable • value configurable • value control • ves • torque control • ves • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	surge voltage resistance rated value	6 kV
shock resistance vibration resistance reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-up (soft starting) • ramp-up (soft storting) • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • evaluation of thermistor motor protection • auto-RESET • remote reset • communication function • operating measured value display • via software parameterizable • via software parameterizable • via software parameterizable • via software parameterizable • voltage ramp • ves • torque control • ves; 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	maximum permissible voltage for safe isolation	
vibration resistance reference code acc. to IEC 81346-2 Qubstance Prohibitance (Date) of ramp-up (soft starting) of ramp-down (soft stop) of Soft Torque of adjustable current limitation of intrinsic device protection of auto-RESET of remula RESET of remote reset of communication function of operating measured value display of via software parameterizable via software parameterizable via software configurable of voltage ramp of vortices operational current of at 40 °C rated value at 50 °C rated value at 50 °C rated value of Rampung Nose ves 23.09.2019 00:00:00 page 3.09.2019 00:00:00 yes yes yes yes yes yes operation at the control supply voltage yes; Only in conjunction with special accessories yes; Only in conjunction with special accessories yes; Only in conjunction with the PROFINET Standard communication module voltage ramp yes orange 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) power Electronics operational current at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value	 between main and auxiliary circuit 	600 V
Substance Prohibitance (Date) 23.09.2019 00:00:00	shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • evaluation of thermistor motor protection • auto-RESET • manual RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software configurable • voltage ramp • torque control • analog output • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
e ramp-up (soft starting) e ramp-up (soft stor) e Soft Torque Soft Torque yes e adjustable current limitation pump ramp down intrinsic device protection e valuation of thermistor motor protection e valuation of thermistor motor protection auto-RESET manual RESET yes e manual RESET yes e remote reset communication function yes; Only in conjunction with special accessories e riror logbook via software parameterizable via software configurable PROFlenergy e voltage ramp torque control e analog output Power Electronics operational current e at 40 °C rated value e at 60	reference code acc. to IEC 81346-2	Q
 ramp-up (soft starting) ramp-down (soft stop) Yes Soft Torque adjustable current limitation yes apump ramp down intrinsic device protection motor overload protection evaluation of thermistor motor protection evaluation of thermistor motor protection evaluation of thermistor motor protection auto-RESET manual RESET remote reset communication function operating measured value display error logbook via software parameterizable via software parameterizable via software configurable PROFlenergy voltage ramp torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated valu	Substance Prohibitance (Date)	23.09.2019 00:00:00
• ramp-down (soft stop) • Soft Torque • Adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • evaluation of thermistor motor protection • evaluation of thermistor motor protection • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software configurable • via software configurable • voltage ramp • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value		
 ramp-down (soft stop) Soft Torque adjustable current limitation pump ramp down intrinsic device protection motor overload protection evaluation of thermistor motor protection auto-RESET manual RESET remote reset communication function operating measured value display error logbook via software parameterizable via software configurable PROFlenergy voltage ramp torque control analog output Power Electronics perational current at 40 °C rated value at 50 °C rated value at 60 °C r	ramp-up (soft starting)	Yes
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 pump ramp down intrinsic device protection motor overload protection evaluation of thermistor motor protection auto-RESET manual RESET remote reset communication function operating measured value display via software parameterizable via software configurable PROFlenergy voltage ramp torque control analog output Power Electronics intrinsic device protection Yes Electronic motor overload protection No Yes System protection No Yes Only in conjunction with special accessories Yes; Only in conjunction with special accessories Yes; Only in conjunction with special accessories Yes; Only in conjunction with special accessories Yes; on connection with the PROFINET Standard communication module Yes No yes; 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) Power Electronics Operational current at 40 °C rated value 		
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 remote reset communication function operating measured value display error logbook via software parameterizable via software configurable PROFlenergy torque control analog output Power Electronics operational current at 40 °C rated value at 60 °C rated value preside tisplay tyes; By turning off the control supply voltage Yes Yes; Only in conjunction with special accessories Yes; Only in conjunction with special accessories Yes No yes; in connection with the PROFINET Standard communication module Yes No analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 		
 communication function operating measured value display error logbook via software parameterizable via software configurable PROFlenergy voltage ramp torque control analog output Power Electronics operational current at 40 °C rated value at 60 °C rated value operational current value (at 60 °C rated value) at 60 °C rated value 		
operating measured value display error logbook via software parameterizable via software configurable via software configurable via software configurable voltage ramp torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value error logbook Yes; Only in conjunction with special accessories No Yes Yes; In connection with the PROFINET Standard communication No Yes; In connection with the PROFINET Standard communication No Yes; In connection with the PROFINET Standard communication No 10 Yes; In connection with the PROFINET Standard communication 10 Yes; In connection with the PROFINET Standard communication 10 Yes; In		
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 via software configurable PROFlenergy Yes; in connection with the PROFINET Standard communication module voltage ramp torque control analog output Yes Wo Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 118 A 	_	
PROFlenergy Yes; in connection with the PROFINET Standard communication module voltage ramp torque control analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value 118 A	•	
module • voltage ramp • torque control • analog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value 118 A	_	
 torque control analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Featur HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value 143 A 128 A at 60 °C rated value 118 A 		module
Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value	voltage ramp	Yes
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value 118 A	 torque control 	No
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value 118 A	analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
 at 40 °C rated value at 50 °C rated value at 60 °C rated value 143 A 128 A 118 A 	ower Electronics	
 at 50 °C rated value at 60 °C rated value 128 A 118 A 	•	
• at 60 °C rated value 118 A		
operating voltage		118 A
	operating voltage	
• rated value 200 480 V		
relative negative tolerance of the operating voltage -15 %	relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage 10 %	relative positive tolerance of the operating voltage	10 %
operating power for 3-phase motors		
• at 230 V at 40 °C rated value 37 kW	 at 230 V at 40 °C rated value 	37 kW
• at 400 V at 40 °C rated value 75 kW	at 400 V at 40 °C rated value	75 kW
Operating frequency 1 rated value 50 Hz	Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value 60 Hz	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 %	relative positive tolerance of the operating frequency	10 %
adjustable motor current	adjustable motor current	
• at rotary coding switch on switch position 1 68 A	 at rotary coding switch on switch position 1 	68 A
• at rotary coding switch on switch position 2 73 A	 at rotary coding switch on switch position 2 	73 A
• at rotary coding switch on switch position 3 78 A	 at rotary coding switch on switch position 3 	78 A

 at rotary coding switch on switch position 4 	83 A
 at rotary coding switch on switch position 5 	88 A
 at rotary coding switch on switch position 6 	93 A
 at rotary coding switch on switch position 7 	98 A
 at rotary coding switch on switch position 8 	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 13 	128 A
at rotary coding switch on switch position 14	133 A
 at rotary coding switch on switch position 15 	138 A
at rotary coding switch on switch position 16	143 A
• minimum	68 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 	23 W
• at 50 °C after startup	19 W
at 60 °C after startup	16 W
power loss [W] at AC at current limitation 350 %	
 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	
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 maximum	2.5 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 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	0
number of digital outputs	3
not parameterizable	2
digital output version	0 " 1 (100) (4 1
number of analog outputs	2 normally-open contacts (NO) / 1 changeover contact (CO) 1

 at AC-15 at 250 V rated value 	3 A
at DC-13 at 24 V rated value	1 A
stallation/ mounting/ dimensions	170
nounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
iounting poolition	surface +/- 22.5° tiltable to the front and back
astening method	screw fixing
eight	198 mm
vidth	120 mm
epth	249 mm
equired spacing with side-by-side mounting	
forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
at the side	5 mm
veight without packaging	3.2 kg
nnections/ Terminals	
ype of electrical connection	
for main current circuit	busbar connection
for control circuit	spring-loaded terminals
vidth of connection bar maximum	25 mm
ype of connectable conductor cross-sections	
 for main contacts for box terminal using the front clamping point solid 	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 mm²
for main contacts for box terminal using the front clamping point stranded	16 70 mm²
 at AWG cables for main contacts for box terminal using the front clamping point 	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
 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 	max. 2x 120 mm²
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	16 120 mm²
 for main contacts for box terminal using the back clamping point finely stranded without core end processing 	10 120 mm²
 for main contacts for box terminal using the back clamping point stranded 	16 120 mm²
ype of connectable conductor cross-sections	
at AWG cables for main current circuit solid	4 250 kcmil
• for DIN cable lug for main contacts stranded	16 95 mm²
	25 120 mm²

• for control circuit finely stranded with core end	2x (0.25 1.5 mm²)
processing	
at AWG cables for control circuit solid	2x (24 16)
 at 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	
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	
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	
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	- 10 60 0
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
samg specialist as the second	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
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	
 PROFINET standard 	Yes
PROFINET standardEtherNet/IP	Yes Yes
EtherNet/IPModbus RTUModbus TCP	Yes Yes Yes
EtherNet/IPModbus RTUModbus TCPPROFIBUS	Yes Yes
EtherNet/IPModbus RTUModbus TCP	Yes Yes Yes
EtherNet/IPModbus RTUModbus TCPPROFIBUS	Yes Yes Yes
 EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings 	Yes Yes Yes
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	Yes Yes Yes
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	Yes Yes Yes Yes Yes
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 Siemens type: 3VA5225, max. 250 A; Iq = 10 kA
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	Yes Yes Yes Yes Yes
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	Yes Yes Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; Iq = 10 kA
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	Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA
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 Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA
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 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
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 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
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 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
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 260/230 V at 50 °C rated value at 460/480 V at 50 °C rated value	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
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 — 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	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
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 — 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 • 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	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
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 — 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	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
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 — 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 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
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 — 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 200/208 IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 ATEX certificate of suitability	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
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 acc. to IEC 60529 ATEX certificate of suitability ATEX	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
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 — 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 • ATEX • IECEX hardware fault tolerance acc. to IEC 61508 relating to	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 Yes Yes

relating to ATEX	
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=3RW5055-2AB14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5055-2AB14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5055-2AB14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

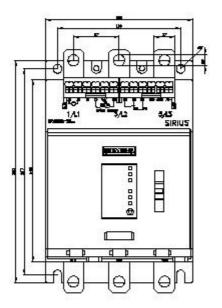
https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB14/char

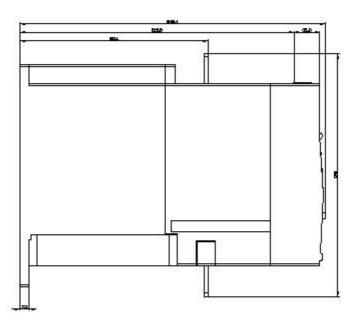
Characteristic: Installation altitude

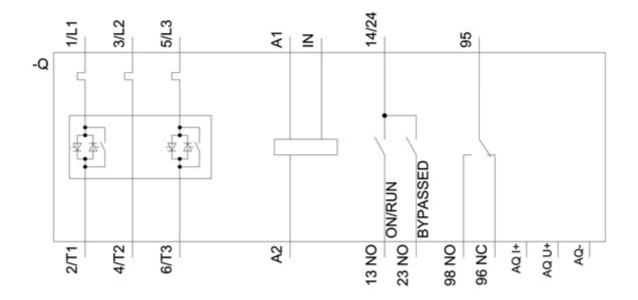
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5055-2AB14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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