SIEMENS



Data sheet

3RW5234-2AC14



SIRIUS soft starter 200-480 V 113 A, 110-250 V AC spring-type terminals Analog output

product brand name SIRIUS product designation Soft starter product designation 3RW52 manufacturer's article number 3RW5200-0LS00 • of standard HMI module usable 3RW5980-0LF00 • of diph feature HMI module usable 3RW5980-0LF00 • of communication module PROFINET standard 3RW5980-0CS00 usable of communication module Rodbus RTU usable • of communication module Modbus TCP usable 3RW5980-0CR00 • of circuit breaker usable at 400 V 3RW5980-0CR00 • of circuit breaker usable at 400 V 3RW5980-0CR00 • of circuit breaker usable at 400 V 3RW5980-0CR00 • of the gG fuse usable up to 890 V 3RW5980-0CR00 • of the gG fuse usable up to 890 V 3RW3244-6. Type of coordination 1. lg = 65 kA • of the gG fuse usable up to 890 V 3RW32244-6. Type of coordination 1. lg = 65 kA • of the gG fuse usable up to 890 V 3RW33244-6. Type of coordination 1. lg = 65 kA • of the gG fuse usable up to 890 V 3RW12250-AOL Type of coordination 1. lg = 65 kA • of the gG fuse usable up to 890 V 3RW12250-AOL Type of coordination 1. lg = 65 kA • of the gG fuse usable up to 890 V 3RW1225		
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buffering time in the event of power failure		3
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for main current circuit 100 ms	buffering time in the event of power failure	
	 for main current circuit 	100 ms

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for control circuit	100 ms
insulation voltage rated value	600 V 3, acc. to IEC 6094
degree of pollution	
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	
 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)	02/15/2018
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
 motor overload protection 	Yes; Electronic motor overload protection
 evaluation of thermistor motor protection 	No
inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
 error logbook 	Yes; Only in conjunction with special accessories
 via software parameterizable 	No
via software configurable	Yes
PROFlenergy	Yes: in connection with the PROFINET Standard communication
• Ficon lenergy	module
 firmware update 	Yes
 removable terminal for control circuit 	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	113 A
operational current • at 40 °C rated value	
 operational current at 40 °C rated value at 50 °C rated value 	101 A
 operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value 	
 operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit 	101 A 89 A
 operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value Operational current at inside-delta circuit at 40 °C rated value 	101 A 89 A 196 A
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value	101 A 89 A 196 A 175 A
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °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	101 A 89 A 196 A
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value	101 A 89 A 196 A 175 A 154 A
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value	101 A 89 A 196 A 175 A 154 A 200 480 V
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at ed value • at inside-delta circuit rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at ed value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 70 °C rated value<	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 %
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors	101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 %

• at 400 V at inside-delta circuit at 40 °C rated value	110 kW
Operating frequency 1 rated value	50 Hz 60 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	
 at rotary coding switch on switch position 1 	53 A
 at rotary coding switch on switch position 2 	57 A
 at rotary coding switch on switch position 3 	61 A
 at rotary coding switch on switch position 4 	65 A
 at rotary coding switch on switch position 5 	69 A
 at rotary coding switch on switch position 6 	73 A
 at rotary coding switch on switch position 7 	77 A
 at rotary coding switch on switch position 8 	81 A
 at rotary coding switch on switch position 9 	85 A
 at rotary coding switch on switch position 10 	89 A
 at rotary coding switch on switch position 11 	93 A
 at rotary coding switch on switch position 12 	97 A
 at rotary coding switch on switch position 13 	101 A
 at rotary coding switch on switch position 14 	105 A
 at rotary coding switch on switch position 15 	109 A
• at rotary coding switch on switch position 16	113 A
• minimum	53 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	91.8 A
 for inside-delta circuit at rotary coding switch on switch position 2 	98.7 A
 for inside-delta circuit at rotary coding switch on switch position 3 	106 A
 for inside-delta circuit at rotary coding switch on switch position 4 	113 A
• for inside-delta circuit at rotary coding switch on switch position 5	120 A
 for inside-delta circuit at rotary coding switch on switch position 6 	126 A
 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on 	133 A 140 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on 	140 A 147 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	147 A 154 A
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	161 A
 for inside delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	168 A
switch position 12for inside-delta circuit at rotary coding switch on	175 A
switch position 13 for inside-delta circuit at rotary coding switch on 	182 A
switch position 14 • for inside-delta circuit at rotary coding switch on	189 A
 switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 	196 A
at inside-delta circuit minimum	91.8 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	46 W
• at 50 °C after startup	42 W
• at 60 °C after startup	39 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	1 512 W

• at 50 °C during startup	1291 W	
• at 60 °C during startup	1 086 W	
Control circuit/ Control	Julontuuong	
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	75 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	
	1 3	
number of digital inputs		
number of digital inputs number of digital outputs	3	
number of digital inputs number of digital outputs • not parameterizable	3 2	
number of digital inputs number of digital outputs • not parameterizable digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)	
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)	
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1	
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A	
number of digital inputs number of digital outputs • not parameterizable digital output version 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging Connections/ Terminals	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit width of connection bar maximum	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg	
number of digital inputs number of digital outputs • not parameterizable digital output version 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg busbar connection spring-loaded terminals	

for DIN cable lug for main contacts finely stranded	2x (25 120 mm ²)
type of connectable conductor cross-sections for control circuit solid 	2x (0.25 1.5 mm ²) dientudong
 for control circuit solid for control circuit finely stranded with core end 	2x (0.25 1.5 mm ²)
processing	
 at AWG cables for control circuit solid 	2x (24 16)
 at AWG cables for control circuit finely stranded with 	2x (24 16)
core end processing	
 wire length between soft starter and motor maximum 	800 m
 at the digital inputs at AC maximum 	100 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 terminals 	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
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
 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol 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 	
 — usable for Standard Faults at 460/480 V according to UL 	Siemens type: 3VA52, 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
 — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
 — usable for High Faults at 460/480 V at inside- delta circuit according to UL 	Siemens type: 3VA52, max. 250 A; lq max = 65 kA
 usable for Standard Faults at 575/600 V according to UL 	Siemens type: 3VA52, max. 250 A; lq = 10 kA
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
• of the fuse	
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 350 A; lq = 10 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 350 A; Iq = 100 kA
— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class RK5 / K5, max. 350 A; lq = 10 kA
usable for Standard Faults at inside-delta	Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J / L, max. 350 A; lq = 100 kA

• at 200/208 V at 50 °C rated va	lue	30 hp		hud on a
• at 220/230 V at 50 °C rated value		30 hp 30 hp 75 hp dientudong		
 at 460/480 V at 50 °C rated value 		75 hp		
 at 200/208 V at inside-delta cir value 	cuit at 50 °C rated	50 hp		Ĩ
 at 220/230 V at inside-delta cir value 	cuit at 50 °C rated	60 hp		
 at 460/480 V at inside-delta cir value 	cuit at 50 °C rated	125 hp		
contact rating of auxiliary contacts according to UL		R300-B300		
afety related data				
protection class IP on the front according to IEC 60529		IP00; IP20 with cover		
touch protection on the front acco	rding to IEC 60529	finger-safe, for vertical co	ntact from the front with c	over
electromagnetic compatibility		in accordance with IEC 6	0947-4-2	
ertificates/ approvals				
General Product Approval				EMC
esticial roduot Approval				
CSA CCC	Tool Contin	UL		RCM
Declaration of Conformity	Test Certifica	tes Marine / Shipping	3	
	<u>Type Test Cer</u> ates/Test Rep	rtific- port abs	B UREAU VERITAS	Lloyd's Register LRS
Marine / Shipping	other			
And the second s	Confirmatio	n		
PRS DIVISI)			
urther information Information- and Downloadcenter				
PRS EMULCONAN	(Catalogs, Brochures,. tem))		
Urther information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering syst https://mall.industry.siemens.com/ma Cax online generator	(Catalogs, Brochures,. tem) all/en/en/Catalog/product) ?mlfb=3RW5234-2AC14		
urther information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering syst https://mall.industry.siemens.com/ma	(Catalogs, Brochures,. tem) all/en/en/Catalog/product) ?mlfb=3RW5234-2AC14 It.aspx?lang=en&mlfb=3RW	/ <u>5234-2AC14</u>	

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5234-2AC14&lang=en

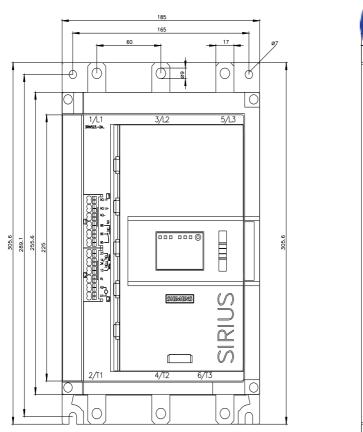
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-2AC14/char

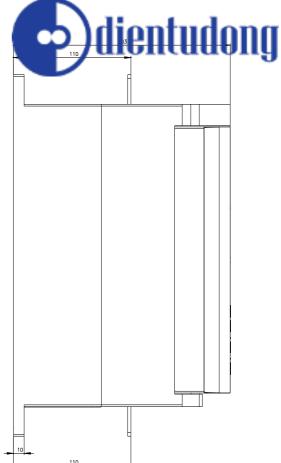
Characteristic: Installation altitude

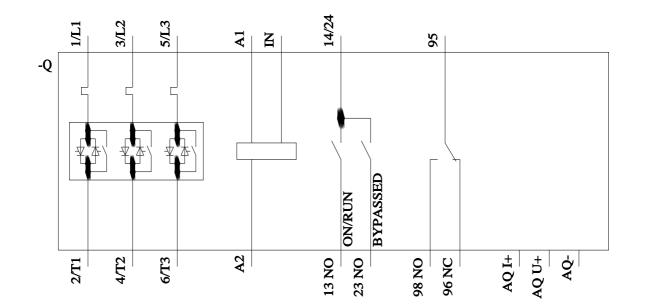
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5234-2AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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









last modified:

4/10/2022 🖸

