# **SIEMENS**

Data sheet 3RW5236-6AC14



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

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of circuit breaker usable at 500 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- of the gG fuse usable at inside-delta circuit up to 500 V
- of full range R fuse link for semiconductor protection usable up to 690 V
- of back-up R fuse link for semiconductor protection usable up to 690 V

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10

3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10

3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10

3NA3365-6; Type of coordination 1, Iq = 65 kA

3NA3365-6; Type of coordination 1, Iq = 65 kA

3NE1230-0; Type of coordination 2, Iq = 65 kA

3NE3335; Type of coordination 2, Iq = 65 kA

## General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter current limiting value [%] adjustable certificate of suitability

- CE marking
- UL approval
- CSA approval

### product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

for main current circuit	100 ms	
for control circuit	100 ms	
insulation voltage rated value	600 V	
degree of pollution	3, acc. to IEC 60947-4-2	
impulse voltage rated value	6 kV	
blocking voltage of the thyristor maximum	1 400 V	
service factor	1	
surge voltage resistance rated value	6 kV	
maximum permissible voltage for safe isolation	000.14	
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 reference code according to IEC 81346-2	AC 53a Q	
Substance Prohibitance (Date)	02/15/2018	
product function	02/13/2010	
• 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	
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No	
• inside-delta circuit	Yes	
<ul><li>auto-RESET</li></ul>	Yes	
<ul><li>manual RESET</li></ul>	Yes	
remote reset	Yes; By turning off the control supply voltage	
<ul> <li>communication function</li> </ul>	Yes	
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories	
• error logbook	Yes; Only in conjunction with special accessories	
via software parameterizable	No	
via software configurable	Yes	
PROFlenergy	Yes; in connection with the PROFINET Standard communication module	
	module	
firmware undate	Yes	
firmware update     removable terminal for control circuit	Yes Yes	
• removable terminal for control circuit	Yes Yes No	
•	Yes	
<ul> <li>removable terminal for control circuit</li> <li>torque control</li> </ul>	Yes No	
<ul> <li>removable terminal for control circuit</li> <li>torque control</li> </ul>	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature	
<ul> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul>	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature	
<ul> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul> Power Electronics <ul> <li>operational current</li> <li>at 40 °C rated value</li> </ul>	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)	
removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)	
removable terminal for control circuit     torque control     analog output  Power Electronics  operational current     at 40 °C rated value     at 50 °C rated value     at 60 °C rated value operational current at inside-delta circuit	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A 296 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  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     or control current at inside-delta circuit     at 40 °C rated value     at 50 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A 296 A 265 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  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 60 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A 296 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  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     operating voltage	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A 296 A 265 A 244 A	
removable terminal for control circuit     torque control     analog output  Power Electronics  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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V	
removable terminal for control circuit     torque control     analog output  Power Electronics  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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V	
removable terminal for control circuit     torque control     analog output  Power Electronics  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     rated value     at inside-delta circuit rated value relative negative tolerance of the operating voltage	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 %	
removable terminal for control circuit     torque control     analog output  Power Electronics  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 relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 %	
removable terminal for control circuit     torque control     analog output  Power Electronics  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     rated value     at inside-delta circuit rated value relative negative tolerance of the operating voltage	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 %	
removable terminal for control circuit     torque control     analog output  Power Electronics  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 relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 %	
removable terminal for control circuit     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  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 60 °C rated value     at 60 °C rated value     at inside-delta circuit rated value relative negative tolerance of the operating voltage 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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 % -15 %	
removable terminal for control circuit     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  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     rated value     rated value     rated value     relative negative tolerance of the operating voltage 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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 % -15 %	
removable terminal for control circuit     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     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 60 °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 relative positive 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     at 230 V at 40 °C rated value     at 230 V at inside-delta circuit at 40 °C rated value	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 % -15 % 10 %	
removable terminal for control circuit     torque control     analog output  Power Electronics  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 60 °C rated value     at 60 °C rated value     at inside-delta circuit rated value     rated value     at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage 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     at 230 V at 40 °C rated value     at 230 V at 40 °C rated value     at 400 V at 40 °C rated value	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A  296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 % -15 % 10 % 45 kW 90 kW 90 kW	
removable terminal for control circuit     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     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 60 °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 relative positive 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     at 230 V at 40 °C rated value     at 230 V at inside-delta circuit at 40 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)  171 A 153 A 141 A 296 A 265 A 244 A  200 480 V 200 480 V -15 % 10 % -15 % 10 %  45 kW 90 kW	

Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency adjustable motor current	10 %
at rotary coding switch on switch position 1	81 A
at rotary coding switch on switch position 2	87 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	93 A
at rotary coding switch on switch position 4	99 A
at rotary coding switch on switch position 5	105 A
at rotary coding switch on switch position 6	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
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	135 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	141 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	147 A
at rotary coding switch on switch position 13	153 A
at rotary coding switch on switch position 14	159 A
at rotary coding switch on switch position 15     at rotary coding switch on switch position 16	165 A 171 A
<ul> <li>at rotary coding switch on switch position 16</li> <li>minimum</li> </ul>	81 A
adjustable motor current	01 A
for inside-delta circuit at rotary coding switch on switch position 1	140 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	151 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	171 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	182 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	192 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	203 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	213 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	223 A
for inside-delta circuit at rotary coding switch on switch position 10	234 A
for inside-delta circuit at rotary coding switch on switch position 11	244 A 255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	265 A
switch position 13     for inside-delta circuit at rotary coding switch on	275 A
switch position 14  • for inside-delta circuit at rotary coding switch on	286 A
switch position 15  • for inside-delta circuit at rotary coding switch on	296 A
switch position 16	
at inside-delta circuit minimum	140 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	63 W
<ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> </ul>	63 W 58 W
• at 60 °C after startup	54 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	2 405 W
at 50 °C during startup	2 037 W
at 60 °C during startup	1 826 W
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	-10 %
voltage frequency relative positive tolerance of the control supply	10 %
voltage frequency	30 mA
control supply current in standby mode rated value	75 mA
holding current in bypass operation rated value inrush current peak at application of control supply voltage	12.2 A
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 digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	'
• at AC-15 at 250 V rated value	3 A
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	1 A
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions	1 A
Installation/ mounting/ dimensions	
	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Installation/ mounting/ dimensions	with vertical mounting surface +/-90° rotatable, with vertical mounting
Installation/ mounting/ dimensions mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Installation/ mounting/ dimensions mounting position fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
Installation/ mounting/ dimensions mounting position fastening method height width	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards • at the side	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards • at the side	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 5 mm 7.15 kg
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 5 mm 7.15 kg
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 5 mm 7.15 kg
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²)
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 5 mm 7.15 kg
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²) 2x (25 120 mm²)
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit width of connection bar maximum type of connectable conductor cross-sections  • for DIN cable lug for main contacts stranded  • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections  • for control circuit solid  • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards • at the side weight without packaging  Connections/ Terminals  type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid wire length	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 100 mm 1
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	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 7.15 kg  busbar connection screw-type terminals 25 mm  2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 800 m
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  • forwards • backwards • upwards • downwards • at the side weight without packaging  Connections/ Terminals  type of electrical connection • for main current circuit • for control circuit width of connection bar maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid wire length	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 100 mm 1

<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>10 14 N⋅m</li> <li>0.8 1.2 N⋅m</li> </ul>	
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	
	ting as of 1000 m, see catalog
ambient temperature	Diagon about a doubting at tomorphism of 40 °C or
<ul> <li>during operation</li> <li>-25 +60 °C;</li> <li>above</li> </ul>	Please observe derating at temperatures of 40 °C or
• during storage and transport -40 +80 °C	
environmental category	
mist), 3S2 (sa	rmation, only occasional condensation), 3C3 (no salt nd must not get into the devices), 3M6
not get inside	asional condensation), 1C2 (no salt mist), 1S2 (sand must the devices), 1M4
	, 2M2 (max. fall height 0.3 m)
	947-4-2: 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      veable for Standard Faults at 450/490 V      Signaport track	2)/452 2004 250 4.10 - 40 k4
according to UL	3VA52, max. 250 A; Iq = 10 kA
to UL	3VA52, max. 250 A; Iq max = 65 kA
inside-delta circuit according to UL	3VA52, max. 250 A; Iq = 10 kA
delta circuit according to UL	3VA52, max. 250 A; Iq max = 65 kA
<ul> <li>usable for Standard Faults at 575/600 V</li> <li>according to UL</li> </ul>	3VA52, max. 250 A; Iq = 10 kA
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	3VA52, max. 250 A; Iq = 10 kA
• of the fuse	
<ul> <li>usable for Standard Faults up to 575/600 V</li> <li>according to UL</li> </ul> Type: Class R	K5 / K5, max. 400 A; Iq = 10 kA
<ul> <li>usable for High Faults up to 575/600 V</li> <li>according to UL</li> </ul>	/ L, max. 350 A; lq = 100 kA
<ul> <li>usable for Standard Faults at inside-delta</li> <li>circuit up to 575/600 V according to UL</li> </ul>	K5 / K5, max. 400 A; Iq = 10 kA
<ul> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	/ L, max. 350 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value 50 hp	
• at 220/230 V at 50 °C rated value 50 hp	
<ul> <li>at 460/480 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated</li> <li>75 hp</li> </ul>	
value	
• at 220/230 V at inside-delta circuit at 50 °C rated value 100 hp	
• at 460/480 V at inside-delta circuit at 50 °C rated value	
contact rating of auxiliary contacts according to UL R300-B300	
Safety related data	
protection class IP on the front according to IEC IP00; IP20 wit 60529	h cover
	vertical contact from the front with cover

#### Certificates/ approvals

#### **General Product Approval**

**EMC** 





Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5236-6AC14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5236-6AC14}}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6AC14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5236-6AC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

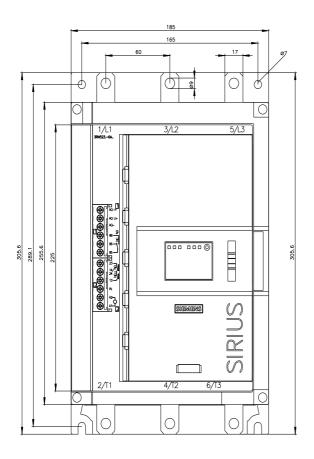
https://support.industry.siemens.com/cs/ww/en/ps/3RW5236-6AC14/char

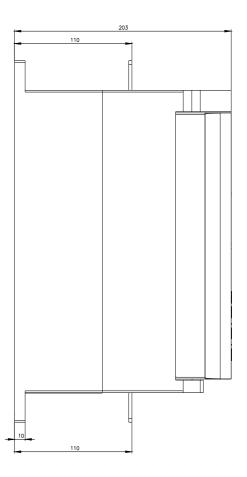
Characteristic: Installation altitude

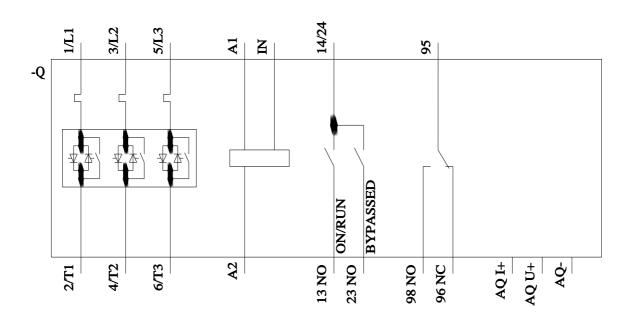
 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5236-6AC14\&objecttype=14\&gridview=view1.pdf.$ 

Simulation Tool for Soft Starters (STS)

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







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