## SIEMENS

## Data sheet

## 3RW5244-6AC15



SIRIUS soft starter 200-600 V 250 A, 110-250 V AC Screw terminals Analog output

product brand name	SIRIUS		
product category	Hybrid switching devices		
product designation	Soft starter		
product type designation	3RW52		
manufacturer's article number			
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS00</u>		
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>		
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>		
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>		
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	<u>3VA2450-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	<u>3VA2450-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1331-0;</u> Type of coordination 2, Iq = 65 kA		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3336;</u> Type of coordination 2, Iq = 65 kA		
General technical data			
starting voltage [%]	30 100 %		
stopping voltage [%]	50 %; non-adjustable		
start-up ramp time of soft starter	0 20 s		
current limiting value [%] adjustable	130 700 %		
certificate of suitability			
CE marking	Yes		
<ul> <li>UL approval</li> </ul>	Yes		
<ul> <li>CSA approval</li> </ul>	Yes		
product component			
<ul> <li>HMI-High Feature</li> </ul>	No		
<ul> <li>is supported HMI-Standard</li> </ul>	Yes		
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes		
product feature integrated bypass contact system	Yes		
number of controlled phases	3		
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2		
buffering time in the event of power failure			

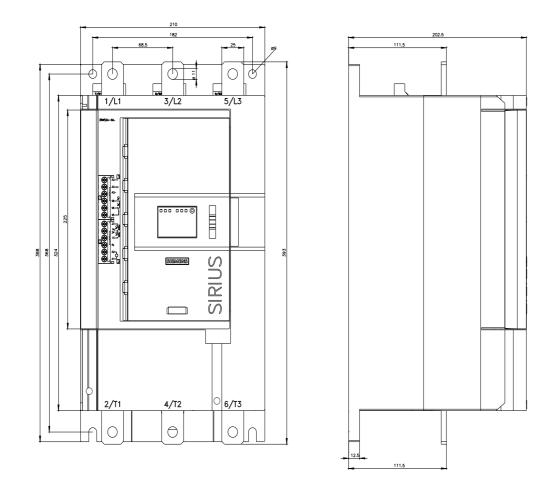
• for main current circuit	100 ms				
<ul> <li>for main current circuit</li> <li>for control circuit</li> </ul>	100 ms				
insulation voltage rated value					
	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 600 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					
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes				
Soft Torque	Yes				
<ul> <li>adjustable current limitation</li> </ul>	Yes				
• pump ramp down	Yes				
intrinsic device protection	Yes				
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection				
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No				
inside-delta circuit	Yes				
• auto-RESET	Yes				
manual RESET	Yes				
remote reset					
communication function	Yes; By turning off the control supply voltage Yes				
operating measured value display	Yes; Only in conjunction with special accessories				
error logbook	Yes; Only in conjunction with special accessories				
	No				
• via software parameterizable					
• via software configurable	Yes				
	Yes; in connection with the PROFINET Standard communication				
<ul> <li>via software configurable</li> <li>PROFlenergy</li> </ul>	Yes; in connection with the PROFINET Standard communication module				
<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> </ul>	Yes; in connection with the PROFINET Standard communication module Yes				
<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> <li>removable terminal for control circuit</li> </ul>	Yes; in connection with the PROFINET Standard communication module Yes Yes				
<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> </ul>	Yes; in connection with the PROFINET Standard communication module Yes Yes No				
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<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul> Power Electronics operational current <ul> <li>at 40 °C rated value</li> </ul>	Yes; in connection with the PROFINET Standard communication module Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)				
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<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update <ul> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul> </li> <li>Power Electronics <ul> <li>operational current</li> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> <li>at 60 °C rated value</li> <li>at 50 °C rated value</li> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> <li>at inside-delta circuit rated value</li> <li>relative negative tolerance of the operating voltage</li> <li>relative negative tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>operating power for 3-phase motors</li> <li>at 230 V at 40 °C rated value</li> <li>at 230 V at 40 °C rated value</li> </ul> </li> </ul>	Yes Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 250 A 220 A 200 A 433 A 381 A 346 A 200 600 V 200 600 V 200 600 V 15 % 10 % -15 %				
<ul> <li>via software configurable</li> <li>PROFlenergy</li> <li>firmware update</li> <li>removable terminal for control circuit</li> <li>torque control</li> <li>analog output</li> </ul> Power Electronics operational current <ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> <li>at 40 °C rated value</li> <li>at 60 °C rated value</li> <li>at 50 °C rated value</li> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> <li>at 20 °C rated value</li> <li>at inside-delta circuit rated value</li> <li>relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>relative positive tolerance of the operating voltage at inside-delta circuit</li> <li>at 230 V at 40 °C rated value</li> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	Yes Yes Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 250 A 220 A 200 A 433 A 381 A 346 A 200 600 V 200 600 V 200 600 V -15 % 10 % -15 %				

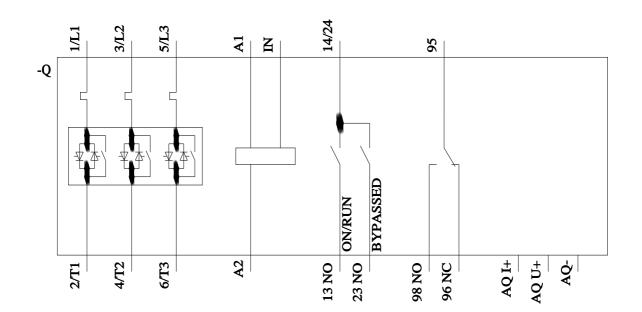
• at 500 V at inside-delta circuit at 40 °C rated value	315 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	100.0
at rotary coding switch on switch position 1	100 A
at rotary coding switch on switch position 2	110 A
at rotary coding switch on switch position 3	120 A
at rotary coding switch on switch position 4	130 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	140 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	150 A
at rotary coding switch on switch position 7	160 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	170 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	180 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	190 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	200 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	210 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	220 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	240 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	250 A
• minimum	100 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	173 A
<ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	191 A
switch position 2	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	208 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	225 A
<ul> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	242 A
switch position 5 <ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	260 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	277 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	294 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	312 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	329 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	346 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	364 A
• for inside-delta circuit at rotary coding switch on switch position 13	381 A
for inside-delta circuit at rotary coding switch on switch position 14	398 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	416 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	433 A
at inside-delta circuit minimum	173 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	97 \\/
• at 40 °C after startup	87 W
• at 50 °C after startup	78 W
• at 60 °C after startup	72 W
power loss [W] at AC at current limitation 350 %	2 919 \\/
<ul> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> </ul>	3 818 W 3 188 W
at 50 °C during startup     at 60 °C during startup	2 799 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 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	100 mA			
inrush current peak at application of control supply voltage	12.2 A			
maximum				
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				
<ul> <li>switching capacity current of the relay outputs</li> <li>at AC-15 at 250 V rated value</li> </ul>	3 A			
	3 A 1 A			
• at AC-15 at 250 V rated value				
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul>				
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A			
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting			
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
• 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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals <ul> <li>type of electrical connection</li> <li>for main current circuit</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connection bar maximum</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for control circuit</li> <li>for connection bar maximum</li> <li>type of connectable conductor cross-sections</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connection bar maximum</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>weight without packaging</li> </ul> Connections/ Terminals <ul> <li>type of electrical connection</li> <li>for control circuit</li> <li>for connectable conductor cross-sections</li> <li>for DIN cable lug for main contacts stranded</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm <sup>2</sup> )			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> weight without packaging Connections/ Terminals type of electrical connection <ul> <li>for control circuit</li> <li>width of connection bar maximum</li> <li>type of connectable conductor cross-sections</li> <li>for DIN cable lug for main contacts stranded</li> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm <sup>2</sup> )			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> weight without packaging Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connectable conductor cross-sections</li> <li>for DIN cable lug for main contacts finely stranded</li> <li>type of connectable conductor cross-sections</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm <sup>2</sup> ) 2x (70 240 mm <sup>2</sup> )			
<ul> <li>at AC-15 at 250 V rated value</li> <li>at DC-13 at 24 V rated value</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> weight without packaging Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connectable conductor cross-sections</li> <li>for DIN cable lug for main contacts finely stranded</li> <li>type of connectable conductor cross-sections</li> <li>for control circuit solid</li> <li>for control circuit solid</li> <li>for control circuit finely stranded with core end</li> </ul>	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg busbar connection screw-type terminals 45 mm 2x (50 240 mm <sup>2</sup> ) 2x (70 240 mm <sup>2</sup> ) 1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )			

• at the digital inputs at AC maximum	100 m			
tightening torque				
for main contacts with screw-type terminals	14 24 N·m			
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m			
tightening torque [lbf·in]				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	124 210 lbf·in			
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	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			
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C			
environmental category				
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6			
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference	acc. to IEC 60947-4-2: Class A			
Communication/ Protocol				
communication module is supported				
<ul> <li>PROFINET standard</li> </ul>	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: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA			
— usable for High Faults at 460/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA			
	Siemens type: 3VA54, max. 600 A; lq = 18 kA			
<ul> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; lq max = 65 kA			
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA			
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL				
of the fuse	Siemens type: 3VA54, max. 600 A; Iq = 18 kA			
— usable for Standard Faults up to 575/600 V	Siemens type: 3VA54, max. 600 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 18 kA			
— usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V				
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>a usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>a t 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 575/600 V at 50 °C rated value</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp 200 hp			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>according power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>asable for High Faults at inside-delta circuit at 50 °C rated value</li> <li>as to 200/208 V at 50 °C rated value</li> <li>as to 200/208 V at inside-delta circuit at 50 °C rated</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp 200 hp			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 575/600 V at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp 200 hp 125 hp			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA 60 hp 75 hp 150 hp 125 hp 150 hp			

Safety related data						
protection class IP on the front according to IEC 60529		IP00; IP20 with cover				
touch protection on the front according to IEC 60529 electromagnetic compatibility		finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2				
Certificates/ approva	ls					
General Product A	oproval				EMC	
SA SA		<u>Confirmation</u>		EAC	RCM	
Declaration of Con	formity	Test Certificat	es Marine / Shipp	ing		
UK CA	CE EG-Konf.	<u>Type Test Cert</u> ates/Test Rep		BUREAU VERITAS	Lloyd's Register uis	
Marine / Shipping	other					
PRS	<u>Confirmation</u>					
Further information						
	ownloadcenter (Catalo	ogs, Brochures,	.)			
https://www.siemens.com/ic10 Industry Mall (Online ordering system)						
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5244-6AC15						
Cax online generator						
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-6AC15 Service&Support (Manuals, Certificates, Characteristics, FAQs,)						
https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC15						
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5244-6AC15⟨=en						
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC15/char Characteristic: Installation altitude						
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5244-6AC15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917						
nttps://support.indust	ry.siemens.com/cs/ww.	<u>/en/view/10149491</u>	<u>L7</u>			





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