## SIEMENS

## Data sheet

## 3RW5244-6AC14



SIRIUS soft starter 200-480 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; Type of coordination 1, Iq = 65 kA, CLASS 10</u>			
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u>			
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	$\frac{3VA2450-7MN32-0AA0; Type of coordination 1; Iq = 65 kA; CLASS 10}{3VA2450-7MN32-0AA0; Type of coordination 1; Iq = 65 kA; CLASS 10}$			
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2450-7MN32-0AA0; 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: Type of coordination 2. Iq = 65 kA</u>			
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3336; Type of coordination 2, Iq = 65 kA</u>			
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 approval	Yes			
CSA approval	Yes			
product component				
HMI-High Feature	No			
• is supported HMI-Standard	Yes			
• is supported HMI-High Feature	Yes			
product feature integrated bypass contact system	Yes			
number of controlled phases	3			

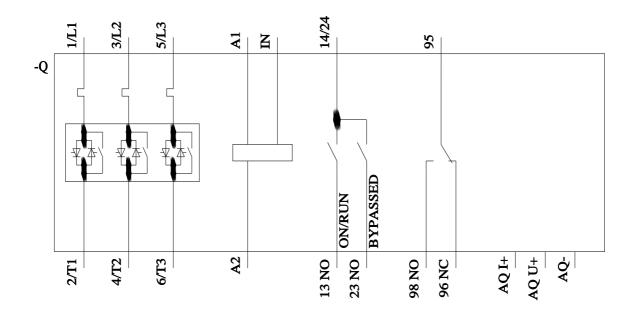
trin class	CLASS 104 (default) / 10E / 20E: acc. to IEC 60047.4.2			
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2			
<ul> <li>buffering time in the event of power failure</li> <li>for main current circuit</li> </ul>	100 ms			
for main current circuit     for control circuit	100 ms			
	600 V			
insulation voltage rated value				
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				
surge voltage resistance rated value	6 kV			
maximum permissible voltage for safe isolation	222.14			
between main and auxiliary circuit	600 V			
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 15 mm to 6 Hz; 2g to 500 Hz			
vibration resistance				
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			
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes			
Soft Torque	Yes			
<ul> <li>adjustable current limitation</li> </ul>	Yes			
<ul> <li>pump ramp down</li> </ul>	Yes			
<ul> <li>intrinsic device protection</li> </ul>	Yes			
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection			
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No			
inside-delta circuit	Yes			
auto-RESET	Yes			
manual RESET	Yes			
remote reset	Yes; By turning off the control supply voltage			
<ul> <li>communication function</li> </ul>	Yes			
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories			
error logbook	Yes; Only in conjunction with special accessories			
<ul> <li>via software parameterizable</li> </ul>	No			
• via software configurable	Yes			
PROFlenergy	Yes; in connection with the PROFINET Standard communication module			
<ul> <li>firmware update</li> </ul>	Yes			
<ul> <li>removable terminal for control circuit</li> </ul>	Yes			
torque control	No			
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
Power Electronics				
operational current				
<ul> <li>at 40 °C rated value</li> </ul>	250 A			
• at 50 °C rated value	220 A			
• at 60 °C rated value	200 A			
operational current at inside-delta circuit				
• at 40 °C rated value	433 A			
at 50 °C rated value	381 A			
at 60 °C rated value	346 A			
operating voltage				
rated value	200 480 V			
at inside-delta circuit rated value	200 480 V			
relative negative tolerance of the operating voltage	-15 %			
relative positive tolerance of the operating voltage	10 %			
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %			
relative positive tolerance of the operating voltage at inside-delta circuit	10 %			
operating power for 3-phase motors				

	76 1444
• at 230 V at 40 °C rated value	75 kW
• at 230 V at inside-delta circuit at 40 °C rated value	132 kW
• at 400 V at 40 °C rated value	132 kW
at 400 V at inside-delta circuit at 40 °C rated value	250 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 A
<ul> <li>at rotary coding switch on switch position 1</li> <li>at ratery coding switch on switch position 2</li> </ul>	100 A 110 A
<ul> <li>at rotary coding switch on switch position 2</li> <li>at ratery coding switch on switch position 2</li> </ul>	
<ul> <li>at rotary coding switch on switch position 3</li> <li>at ratery coding switch on switch position 4</li> </ul>	120 A 130 A
<ul> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> </ul>	140 A
<ul> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> </ul>	150 A
	160 A
<ul> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> </ul>	170 A
	180 A
<ul> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> </ul>	180 A 190 A
<ul> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> </ul>	200 A
<ul> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	210 A
<ul> <li>at rotary coding switch on switch position 12</li> <li>at rotary coding switch on switch position 13</li> </ul>	210 A 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 14</li> <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 switch position 2</li> </ul>	191 A
<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 switch position 5</li> </ul>	242 A
<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
• for inside-delta circuit at rotary coding switch on switch position 9	312 A
• for inside-delta circuit at rotary coding switch on switch position 10	329 A
• for inside-delta circuit at rotary coding switch on switch position 11	346 A
• for inside-delta circuit at rotary coding switch on switch position 12	364 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	381 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	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	07.14
• at 40 °C after startup	87 W
<ul> <li>at 50 °C after startup</li> </ul>	78 W

<ul> <li>at 60 °C after startup</li> </ul>	72 W	
power loss [W] at AC at current limitation 350 %		
• at 40 °C during startup	3 818 W	
• at 50 °C during startup	3 188 W	
• 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	
locked-rotor current at close of bypass contact maximum	2.2 A	
inrush current peak at application of control supply voltage maximum	12.2 A	
duration of inrush current peak at application of control supply voltage	2.2 ms	
design of the overvoltage protection	Varistor	
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply	
Inputs/ Outputs		
number of digital inputs	1	
number of digital outputs	3	
not parameterizable	2	
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)	
number of analog outputs	1	
switching canacity current of the relay outputs		
switching capacity current of the relay outputs		
• at AC-15 at 250 V rated value	3 A	
<ul><li>at AC-15 at 250 V rated value</li><li>at DC-13 at 24 V rated value</li></ul>	3 A 1 A	
at AC-15 at 250 V rated value     at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A	
<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 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 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	
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	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	
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	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	
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	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	
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	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	
<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 height <ul> <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 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   height   width   depth   required spacing with side-by-side mounting   forwards   backwards   upwards   downwards   at the side	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	
<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             <ul></ul></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	
<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 <ul> <li>mounting position</li> </ul> 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> </ul> weight without packaging Connections/ Terminals <ul> <li>type of electrical connection</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	
<ul> <li>at AC-15 at 250 V rated value             <ul></ul></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	

width of connection has maximum	45		
width of connection bar maximum	45 mm		
type of connectable conductor cross-sections	0 + (50 - 0.402)		
for DIN cable lug for main contacts stranded     for DIN cable lug for main contacts finally stranded	2x (50 240 mm <sup>2</sup> )		
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)		
type of connectable conductor cross-sections			
for control circuit solid	1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )		
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)		
at AWG cables for control circuit solid	1x (20 12), 2x (20 14)		
wire length	1 (20 12), 2 (20 14)		
between soft starter and motor maximum	800 m		
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m		
tightening torque	100 111		
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m		
	0.8 1.2 N·m		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.0 1.2 N/III		
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</li> </ul>	7 10.3 lbf in		
terminals			
Ambient conditions			
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
ambient temperature			
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or		
	above		
during storage and transport	-40 +80 °C		
environmental category	21/C (no ice formation, only accessional condensation), 2C2 (no colt		
<ul> <li>during operation according to IEC 60721</li> </ul>	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)		
• during transport according to IEC 60721  EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A		
EMC emitted interference			
EMC emitted interference Communication/ Protocol			
EMC emitted interference Communication/ Protocol communication module is supported	acc. to IEC 60947-4-2: Class A		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	acc. to IEC 60947-4-2: Class A Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	acc. to IEC 60947-4-2: Class A Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	acc. to IEC 60947-4-2: Class A Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at coording to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	acc. to IEC 60947-4-2: Class A         Yes         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         Siemens type: 3VA54, max. 600 A; lq = 18 kA         Siemens type: 3VA54, max. 600 A; lq max = 65 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at	acc. to IEC 60947-4-2: Class A         Yes         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA         Siemens type: 3VA54, max. 600 A; lq max = 65 kA         Siemens type: 3VA54, max. 600 A; lq max = 65 kA         Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA		
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V	acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA54, max. 600 A; lq = 18 kA		

to 575/600 V according to operating power [hp] for 3-phase				
- her and her to high the high				
• at 200/208 V at 50 °C rated v		60 hp		
• at 220/230 V at 50 °C rated v				
		75 hp		
• at 460/480 V at 50 °C rated v		150 hp		
<ul> <li>at 200/208 V at inside-delta o value</li> </ul>		125 hp		
<ul> <li>at 220/230 V at inside-delta o value</li> </ul>	circuit at 50 °C rated	150 hp		
• at 460/480 V at inside-delta o value		300 hp		
contact rating of auxiliary contact	cts according to UL	R300-B300		
Safety related data				
protection class IP on the front a 60529	according to IEC	IP00; IP20 with cover		
touch protection on the front according to IEC 60529		finger-safe, for vertical cor	tact from the front with c	over
electromagnetic compatibility		in accordance with IEC 60	947-4-2	
Certificates/ approvals				
General Product Approval				EMC
(SR)	ation	(JL)	FAL	æ
CSA	ccc	UL		RCM
Declaration of Conformity	Test Certifica	ates Marine / Shipping		
	E <u>Type Test Ce</u> <u>ates/Test Re</u>		BUREAU VERITAS	Llovd's Register us
Marina / Chinaina				
Marine / Shipping	other			
PRS	Confirmation	<u>on</u>		
PRS		<u>on</u>		
Further information		<u>on</u>		
PRS PRS	Confirmation			
Further information Information- and Downloadcenter https://www.siemens.com/ic10	Confirmation			
Further information Information- and Downloadcente https://www.siemens.com/ic10 Industry Mall (Online ordering sy	Confirmation	)		
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r	Confirmation	)		
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator	Confirmation Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/produc	) t?mlfb=3RW5244-6AC14	5244-64-014	
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator http://support.automation.siemens.	Confirmation	) t?mlfb=3RW5244-6AC14 lt.aspx?lang=en&mlfb=3RW	5244-6AC14	
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator	Confirmation Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/product .com/WW/CAXorder/defaut ificates, Characteristics,	) t?mlfb=3RW5244-6AC14 lt.aspx?lang=en&mlfb=3RW FAQs,)	5 <u>244-6AC14</u>	
Further information Information- and Downloadcente https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator http://support.automation.siemens. Service&Support (Manuals, Certi	Confirmation Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/product com/WW/CAXorder/defaut ificates, Characteristics, pm/cs/ww/en/ps/3RW5244 s, 2D dimension drawing	) <u>t?mlfb=3RW5244-6AC14</u> l <u>lt.aspx?lang=en&amp;mlfb=3RW</u> FAQs,) <u>-6AC14</u> s, 3D models, device circu	it diagrams, EPLAN ma	cros,)
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/ic10 Industry Mall (Online ordering sy https://support.automation.siemens.com/ic10 Industry Mall (Online ordering sy http://support.automation.siemens.com/ic10 Image database (product images http://www.automation.siemens.com/ic10 Characteristic: Tripping character	Confirmation Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/produc com/WW/CAXorder/defau ificates, Characteristics, pm/cs/ww/en/ps/3RW5244 s, 2D dimension drawing m/bilddb/cax_de.aspx?mlf eristics, I²t, Let-through of	) t?mlfb=3RW5244-6AC14 lt.aspx?lang=en&mlfb=3RW FAQs,) -6AC14 s, 3D models, device circu b=3RW5244-6AC14⟨=e current	it diagrams, EPLAN ma	.cros,)
Further information Information- and Downloadcente https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator http://support.automation.siemens.com/r Cax online generator http://support.industry.siemens.com/r Cax online generator http://support.industry.siemens.com/r Characteristic: Tripping character https://support.industry.siemens.com/r Characteristic: Installation altitude	Confirmation Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/product com/WW/CAXorder/defaut ificates, Characteristics, pm/cs/ww/en/ps/3RW5244 s, 2D dimension drawing m/bilddb/cax_de.aspx?mlf eristics, I²t, Let-through o pm/cs/ww/en/ps/3RW5244 de	) <u>t?mlfb=3RW5244-6AC14</u> <u>lt.aspx?lang=en&amp;mlfb=3RW</u> <b>FAQs</b> ,) <u>-6AC14</u> s, 3D models, device circu <u>b=3RW5244-6AC14⟨=e</u> current <u>-6AC14/char</u>	it diagrams, EPLAN ma <u>n</u>	
Further information Information- and Downloadcenter https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator http://support.automation.siemens.com/r Cax online generator http://support.industry.siemens.com/r Cax online generator http://support.industry.siemens.com/r Cax online generator http://support.industry.siemens.com/r Characteristic: Tripping character https://support.industry.siemens.com/r Characteristic: Installation altitute http://www.automation.siemens.com/r	Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/produce .com/WW/CAXorder/defau ificates, Characteristics, om/cs/ww/en/ps/3RW5244 s, 2D dimension drawing m/bilddb/cax_de.aspx?mlf eristics, I²t, Let-through o om/cs/ww/en/ps/3RW5244 de m/bilddb/index.aspx?view	) <u>t?mlfb=3RW5244-6AC14</u> <u>lt.aspx?lang=en&amp;mlfb=3RW</u> <b>FAQs</b> ,) <u>-6AC14</u> s, 3D models, device circu <u>b=3RW5244-6AC14⟨=e</u> current <u>-6AC14/char</u>	it diagrams, EPLAN ma <u>n</u>	
Further information Information- and Downloadcente https://www.siemens.com/ic10 Industry Mall (Online ordering sy https://mall.industry.siemens.com/r Cax online generator http://support.automation.siemens. Service&Support (Manuals, Certi https://support.industry.siemens.com/r Image database (product images http://www.automation.siemens.com/r Characteristic: Tripping character https://support.industry.siemens.com/r Characteristic: Installation altitude	Confirmation er (Catalogs, Brochures, ystem) mall/en/en/Catalog/produc com/WW/CAXorder/defau tificates, Characteristics, pm/cs/ww/en/ps/3RW5244 s, 2D dimension drawing m/bilddb/cax_de.aspx?mlf eristics, I <sup>2</sup> t, Let-through o pm/cs/ww/en/ps/3RW5244 de m/bilddb/index.aspx?views s (STS)	) t?mlfb=3RW5244-6AC14 lt.aspx?lang=en&mlfb=3RW FAQs,) -6AC14 s, 3D models, device circu b=3RW5244-6AC14⟨=e current -6AC14/char =Search&mlfb=3RW5244-6A	it diagrams, EPLAN ma <u>n</u>	



last modified:

4/10/2022 🖸