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			
 of standard HMI module usable 	<u>3RW5980-0HS00</u>		
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>		
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>		
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>		
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>		
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>		
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>		
 of circuit breaker usable at 400 V 	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V 	<u>3VA2440-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3VA2450-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3VA2450-7MN32-0AA0;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of the gG fuse usable up to 690 V 	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
 of the gG fuse usable at inside-delta circuit up to 500 V 	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1331-0;</u> Type of coordination 2, Iq = 65 kA		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<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 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		
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2		
buffering time in the event of power failure			

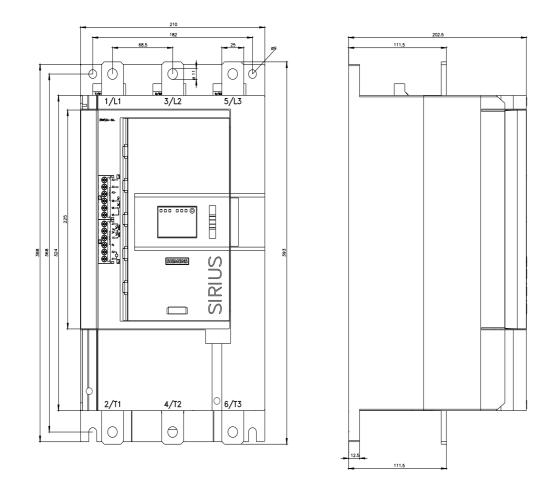
• for main current circuit	100 ms				
 for main current circuit for control circuit 	100 ms				
insulation voltage rated value					
	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 600 V				
service factor	1	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

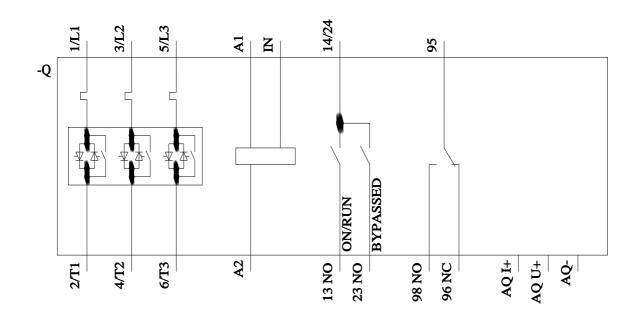
• at 500 V at inside-delta circuit at 40 °C rated value	315 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	100.0
at rotary 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
 at rotary coding switch on switch position 5 	140 A
 at rotary coding switch on switch position 6 	150 A
at rotary coding switch on switch position 7	160 A
 at rotary coding switch on switch position 8 	170 A
 at rotary coding switch on switch position 9 	180 A
 at rotary coding switch on switch position 10 	190 A
 at rotary coding switch on switch position 11 	200 A
 at rotary coding switch on switch position 12 	210 A
 at rotary coding switch on switch position 13 	220 A
 at rotary coding switch on switch position 14 	230 A
 at rotary coding switch on switch position 15 	240 A
 at rotary coding switch on switch position 16 	250 A
• minimum	100 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	173 A
 for inside-delta circuit at rotary coding switch on 	191 A
switch position 2	
 for inside-delta circuit at rotary coding switch on switch position 3 	208 A
 for inside-delta circuit at rotary coding switch on switch position 4 	225 A
 for inside-delta circuit at rotary coding switch on 	242 A
switch position 5 for inside-delta circuit at rotary coding switch on switch position 6 	260 A
 for inside-delta circuit at rotary coding switch on switch position 7 	277 A
 for inside-delta circuit at rotary coding switch on switch position 8 	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
• 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
 for inside-delta circuit at rotary coding switch on switch position 15 	416 A
 for inside-delta circuit at rotary coding switch on switch position 16 	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 \\/
 at 40 °C during startup at 50 °C during startup 	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				
 switching capacity current of the relay outputs at AC-15 at 250 V rated value 	3 A			
	3 A 1 A			
• at AC-15 at 250 V rated value				
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value 				
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			
 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 10 mm 100 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 downwards 	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 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 5 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 at the side weight without packaging 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging 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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging Connections/ Terminals type of electrical connection	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connection bar maximum 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit for connection bar maximum type of connectable conductor cross-sections 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connection bar maximum 	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			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit for connectable conductor cross-sections for DIN cable lug for main contacts stranded 	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 ²)			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection 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 	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 ²)			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections 	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 ²) 2x (70 240 mm ²)			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connectable conductor cross-sections 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 	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 ²) 2x (70 240 mm ²) 1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²)			

• at the digital inputs at AC maximum	100 m			
tightening torque				
for main contacts with screw-type terminals	14 24 N·m			
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m			
tightening torque [lbf·in]				
 for main contacts with screw-type terminals 	124 210 lbf·in			
 for auxiliary and control contacts with screw-type terminals 	7 10.3 lbf·in			
Ambient conditions				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog			
ambient temperature				
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above			
 during storage and transport 	-40 +80 °C			
environmental category				
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6			
 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference	acc. to IEC 60947-4-2: Class A			
Communication/ Protocol				
communication module is supported				
 PROFINET standard 	Yes			
EtherNet/IP	Yes			
Modbus RTU	Yes			
Modbus TCP	Yes			
PROFIBUS	Yes			
UL/CSA ratings manufacturer's article number				
of circuit breaker				
— usable for Standard Faults at 460/480 V according to UL	Siemens type: 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			
 usable for High Faults at 460/480 V at inside- delta circuit according to 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				
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta 	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 according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up 	Type: Class J / L, max. 800 A; lq = 18 kA Type: Class J / L, max. 800 A; lq = 100 kA			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to 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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL a usable for High Faults at inside-delta circuit up to 575/600 V according to UL a t 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL according power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit up to 575/600 V according to UL asable for High Faults at inside-delta circuit at 50 °C rated value as to 200/208 V at 50 °C rated value as to 200/208 V at inside-delta circuit at 50 °C rated 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value 	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			
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 220/230 V at 50 °C rated value at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value 	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 ² 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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