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				
 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; Type of coordination 1, Iq = 65 kA, CLASS 10</u>			
 of circuit breaker usable at 500 V 	<u>3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u>			
 of circuit breaker usable at 400 V at inside-delta circuit 	$\frac{3VA2450-7MN32-0AA0; Type of coordination 1; Iq = 65 kA; CLASS 10}{3VA2450-7MN32-0AA0; Type of coordination 1; Iq = 65 kA; CLASS 10}$			
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2450-7MN32-0AA0; 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: Type of coordination 2. Iq = 65 kA</u>			
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<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			

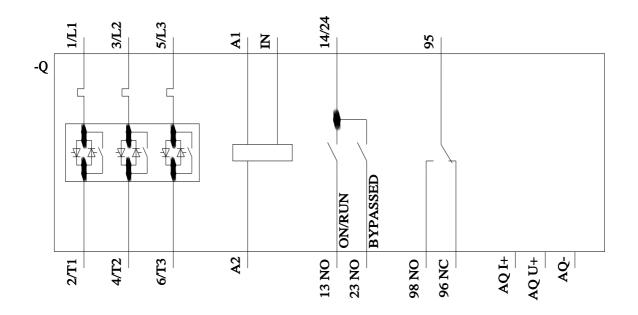
trin class	CLASS 104 (default) / 10E / 20E: acc. to IEC 60047.4.2			
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2			
 buffering time in the event of power failure for main current circuit 	100 ms			
for main current circuit for control circuit	100 ms			
	600 V			
insulation voltage 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			
 ramp-down (soft stop) 	Yes			
Soft Torque	Yes			
 adjustable current limitation 	Yes			
 pump ramp down 	Yes			
 intrinsic device protection 	Yes			
 motor overload protection 	Yes; Electronic motor overload protection			
 evaluation of thermistor motor protection 	No			
inside-delta circuit	Yes			
auto-RESET	Yes			
manual RESET	Yes			
remote reset	Yes; By turning off the control supply voltage			
 communication function 	Yes			
 operating measured value display 	Yes; Only in conjunction with special accessories			
error logbook	Yes; Only in conjunction with special accessories			
 via software parameterizable 	No			
• via software configurable	Yes			
PROFlenergy	Yes; in connection with the PROFINET Standard communication module			
 firmware update 	Yes			
 removable terminal for control circuit 	Yes			
torque control	No			
 analog output 	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
Power Electronics				
operational current				
 at 40 °C rated value 	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
 at rotary coding switch on switch position 1 at ratery coding switch on switch position 2 	100 A 110 A
 at rotary coding switch on switch position 2 at ratery coding switch on switch position 2 	
 at rotary coding switch on switch position 3 at ratery coding switch on switch position 4 	120 A 130 A
 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 	140 A
 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 	150 A
	160 A
 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 	170 A
	180 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 	180 A 190 A
 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 	200 A
 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 	210 A
 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 	210 A 220 A
 at rotary coding switch on switch position 14 	230 A
 at rotary coding switch on switch position 14 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 switch position 2 	191 A
 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 switch position 5 	242 A
 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	07.14
• 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 %		
• 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	
at AC-15 at 250 V rated valueat DC-13 at 24 V rated value	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	
at AC-15 at 250 V rated valueat 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 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	
 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 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	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	
 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 	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	
 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 	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 ²)		
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 ²), 2x (0.5 2.5 mm ²)		
 for control circuit finely stranded with core end processing 	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		
 at the digital inputs at AC maximum 	100 m		
tightening torque	100 111		
 for main contacts with screw-type terminals 	14 24 N·m		
	0.8 1.2 N·m		
 for auxiliary and control contacts with screw-type terminals 	0.0 1.2 N/III		
tightening torque [lbf·in]			
 for main contacts with screw-type terminals 	124 210 lbf·in		
 for auxiliary and control contacts with screw-type 	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			
 during operation 	-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		
 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)		
• 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		
 at 200/208 V at inside-delta o value 		125 hp		
 at 220/230 V at inside-delta o value 	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			
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