## **SIEMENS**

Data sheet 3RW5243-2AC05



SIRIUS soft starter 200-600 V 210 A, 24 V AC/DC spring-type 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>	3RW5980-0HS00		
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00		
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00		
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00		
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
• of circuit breaker usable at 500 V at inside-delta circuit	3VA2440-7MN32-0AA0; 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		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1230-2; Type of coordination 2, Iq = 65 kA		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3333; Type of coordination 2, Iq = 65 kA		
eneral 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 control circuit	100 ms		

insulation valtage rate desclies	C00.V		
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 protective separation	000.1/		
between main and auxiliary circuit	600 V		
shock resistance vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 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 Q		
Substance Prohibitance (Date)	02/15/2018		
product function	02/10/2010		
ramp-up (soft starting)	Yes		
• ramp-down (soft stop)	Yes		
Soft Torque	Yes		
adjustable current limitation	Yes		
pump ramp down	Yes		
intrinsic device protection	Yes		
motor overload protection	Yes; Electronic motor overload protection		
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		
<ul> <li>communication function</li> </ul>	Yes		
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories		
<ul> <li>error logbook</li> </ul>	Yes; Only in conjunction with special accessories		
<ul> <li>via software parameterizable</li> </ul>	No		
<ul> <li>via software configurable</li> </ul>	Yes		
PROFlenergy	Yes; in connection with the PROFINET Standard communication module		
firmware update	Yes		
<ul> <li>removable terminal for control circuit</li> </ul>	Yes		
• torque control	No		
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)		
Power Electronics			
operational current	040.4		
• at 40 °C rated value	210 A		
<ul> <li>at 50 °C rated value</li> <li>at 60 °C rated value</li> </ul>	186 A 170 A		
operational current at inside-delta circuit	170 A		
at 40 °C rated value	364 A		
at 50 °C rated value	322 A		
at 60 °C rated value     at 60 °C rated value	294 A		
operating voltage			
• rated value	200 600 V		
at inside-delta circuit rated value	200 600 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	-15 %		
relative positive tolerance of the operating voltage at	10 %		
inside-delta circuit			
operating power for 3-phase motors	EE IAM		
at 230 V at 40 °C rated value     at 230 V at incide delta circuit at 40 °C rated value	55 kW		
at 230 V at inside-delta circuit at 40 °C rated value     at 400 V at 40 °C rated value	110 kW		
at 400 V at 40 °C rated value     at 400 V at incide delta circuit at 40 °C rated value	110 kW		
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>at 500 V at 40 °C rated value</li> </ul>	200 kW 132 kW		
at 500 V at 40 C rated value     at 500 V at inside-delta circuit at 40 °C rated value	250 kW		
■ at Joo v at mising-ucita circuit at 40 C l'aleu value	200 KVV		



Operating frequency 2 rated value relative negative tolerance of the operating frequency 10 % adjustable motor current • • • • • • • • • • • • • • • • • • •	uency 1 rated value	cy 1 rated value 50 Hz
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minimum     90 A  adjustable motor current     for inside-delta circuit at rotary coding switch on switch position 1     for inside-delta circuit at rotary coding switch on switch position 2     for inside-delta circuit at rotary coding switch on switch position 3     for inside-delta circuit at rotary coding switch on switch position 4     for inside-delta circuit at rotary coding switch on switch position 5     for inside-delta circuit at rotary coding switch on switch position 5     for inside-delta circuit at rotary coding switch on switch position 6     for inside-delta circuit at rotary coding switch on switch position 7     for inside-delta circuit at rotary coding switch on switch position 8     for inside-delta circuit at rotary coding switch on switch position 9     for inside-delta circuit at rotary coding switch on switch position 10     for inside-delta circuit at rotary coding switch on switch position 10     for inside-delta circuit at rotary coding switch on switch position 11     for inside-delta circuit at rotary coding switch on switch position 11     for inside-delta circuit at rotary coding switch on switch position 12     for inside-delta circuit at rotary coding switch on switch position 12     for inside-delta circuit at rotary coding switch on switch position 12     for inside-delta circuit at rotary coding switch on switch position 14     for inside-delta circuit at rotary coding switch on switch position 14     for inside-delta circuit at rotary coding switch on switch position 15     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on switch position 16     for inside-delta circuit at rotary coding switch on sw	•	
adjustable motor current  • for inside-delta circuit at rotary coding switch on switch position 1  • for inside-delta circuit at rotary coding switch on switch position 2  • for inside-delta circuit at rotary coding switch on switch position 3  • for inside-delta circuit at rotary coding switch on switch position 4  • for inside-delta circuit at rotary coding switch on switch position 5  • for inside-delta circuit at rotary coding switch on switch position 5  • for inside-delta circuit at rotary coding switch on switch position 6  • for inside-delta circuit at rotary coding switch on switch position 7  • for inside-delta circuit at rotary coding switch on switch position 8  • for inside-delta circuit at rotary coding switch on switch position 8  • for inside-delta circuit at rotary coding switch on switch position 10  • for inside-delta circuit at rotary coding switch on switch position 11  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  • for inside-delta circuit at rotary coding switch on switch position 16  • at 10 °C after startup  • at 50 °C after startup  • at 50 °C after startup  • at 50 °C after startup	·	
• for inside-delta circuit at rotary coding switch on switch position 1  • for inside-delta circuit at rotary coding switch on switch position 2  • for inside-delta circuit at rotary coding switch on switch position 3  • for inside-delta circuit at rotary coding switch on switch position 3  • for inside-delta circuit at rotary coding switch on switch position 6  • for inside-delta circuit at rotary coding switch on switch position 6  • for inside-delta circuit at rotary coding switch on switch position 7  • for inside-delta circuit at rotary coding switch on switch position 8  • for inside-delta circuit at rotary coding switch on switch position 9  • for inside-delta circuit at rotary coding switch on switch position 10  • for inside-delta circuit at rotary coding switch on switch position 10  • for inside-delta circuit at rotary coding switch on switch position 11  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at of Cafter startup  • for finside-delta circuit at rotary coding switch on switch position 16  • at 40 °C after startup  • for finside-delta circuit at rotary coding switch on switch position 16  • at 40 °C after startup  • for finside-delta circuit at rotary coding switch on		
osition 2  • for inside-delta circuit at rotary coding switch on switch position 3  • for inside-delta circuit at rotary coding switch on switch position 4  • for inside-delta circuit at rotary coding switch on switch position 5  • for inside-delta circuit at rotary coding switch on switch position 6  • for inside-delta circuit at rotary coding switch on switch position 6  • for inside-delta circuit at rotary coding switch on switch position 7  • for inside-delta circuit at rotary coding switch on switch position 8  • for inside-delta circuit at rotary coding switch on switch position 9  • for inside-delta circuit at rotary coding switch on switch position 10  • for inside-delta circuit at rotary coding switch on switch position 11  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  for consideration for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 50 °C after startup		
• for inside-delta circuit at rotary coding switch on switch position 4     • (for inside-delta circuit at rotary coding switch on switch position 5     • (for inside-delta circuit at rotary coding switch on switch position 6     • (for inside-delta circuit at rotary coding switch on switch position 6     • (for inside-delta circuit at rotary coding switch on switch position 7     • (for inside-delta circuit at rotary coding switch on switch position 8     • (for inside-delta circuit at rotary coding switch on switch position 9     • (for inside-delta circuit at rotary coding switch on switch position 10     • (for inside-delta circuit at rotary coding switch on switch position 11     • (for inside-delta circuit at rotary coding switch on switch position 12     • (for inside-delta circuit at rotary coding switch on switch position 12     • (for inside-delta circuit at rotary coding switch on switch position 14     • (for inside-delta circuit at rotary coding switch on switch position 14     • (for inside-delta circuit at rotary coding switch on switch position 14     • (for inside-delta circuit at rotary coding switch on switch position 14     • (for inside-delta circuit at rotary coding switch on switch position 14     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 16     • (for inside-delta circuit at rotary coding switch on switch position 15     • (for inside-delta circuit at rotary coding switch on switch position 15     • (for inside-delta c	e-delta circuit at rotary coding switch on swit	a circuit at rotary coding switch on switch 170 A
• for inside-delta circuit at rotary coding switch on switch position 5 • for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum  minimum load [%]  power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup	e-delta circuit at rotary coding switch on swit	a circuit at rotary coding switch on switch 184 A
• for inside-delta circuit at rotary coding switch on switch position 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • at 50 °C after startup • at 50 °C after startup	e-delta circuit at rotary coding switch on swit	a circuit at rotary coding switch on switch 197 A
osition 6 • for inside-delta circuit at rotary coding switch on switch position 7 • for inside-delta circuit at rotary coding switch on switch position 8 • for inside-delta circuit at rotary coding switch on switch position 9 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • 68 W		
of rinside-delta circuit at rotary coding switch on switch position 9  of or inside-delta circuit at rotary coding switch on switch position 9  of or inside-delta circuit at rotary coding switch on switch position 10  of or inside-delta circuit at rotary coding switch on switch position 11  of or inside-delta circuit at rotary coding switch on switch position 12  of or inside-delta circuit at rotary coding switch on switch position 12  of or inside-delta circuit at rotary coding switch on switch position 13  of or inside-delta circuit at rotary coding switch on switch position 14  of or inside-delta circuit at rotary coding switch on switch position 14  of or inside-delta circuit at rotary coding switch on switch position 15  of or inside-delta circuit at rotary coding switch on switch position 16  of or inside-delta circuit at rotary coding switch on switch position 16  of or inside-delta circuit minimum  156 A  minimum load [%]  type of after startup		
• for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 10 • for inside-delta circuit at rotary coding switch on switch position 11 • for inside-delta circuit at rotary coding switch on switch position 12 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 13 • for inside-delta circuit at rotary coding switch on switch position 14 • for inside-delta circuit at rotary coding switch on switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16 • at inside-delta circuit minimum  156 A  minimum load [%]  15 %; Relative to smallest settable le  power loss [W] for rated value of the current at AC • at 40 °C after startup • at 50 °C after startup • 68 W		
or inside-delta circuit at rotary coding switch on switch position 10     or inside-delta circuit at rotary coding switch on switch position 11     or inside-delta circuit at rotary coding switch on switch position 12     or inside-delta circuit at rotary coding switch on switch position 12     or inside-delta circuit at rotary coding switch on switch position 13     or inside-delta circuit at rotary coding switch on switch position 14     or inside-delta circuit at rotary coding switch on switch position 15     or inside-delta circuit at rotary coding switch on switch position 15     or inside-delta circuit at rotary coding switch on switch position 16     or inside-delta circuit at rotary coding switch on switch position 16     or at inside-delta circuit minimum     156 A  minimum load [%]     15 %; Relative to smallest settable le  power loss [W] for rated value of the current at AC     or at 40 °C after startup     or at 50 °C after startup     or at 50 °C after startup     or at 50 °C after startup	, 0	
position 10  • for inside-delta circuit at rotary coding switch on switch position 11  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  15 %; Relative to smallest settable le  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 50 °C after startup		
position 11  • for inside-delta circuit at rotary coding switch on switch position 12  • for inside-delta circuit at rotary coding switch on switch position 13  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • 68 W		
<ul> <li>position 12</li> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> <li>at inside-delta circuit minimum</li> <li>156 A</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>68 W</li> </ul>	, ,	
position 13  • for inside-delta circuit at rotary coding switch on switch position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  15 %; Relative to smallest settable le  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  68 W		
position 14  • for inside-delta circuit at rotary coding switch on switch position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  68 W		
position 15  • for inside-delta circuit at rotary coding switch on switch position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 50 °C after startup  68 W		
position 16  • at inside-delta circuit minimum  156 A  minimum load [%]  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 50 °C after startup  • at 50 °C after startup		
power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  68 W		
<ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>68 W</li> </ul>	[%]	15 %; Relative to smallest settable le
• at 50 °C after startup 68 W	] for rated value of the current at AC	rated value of the current at AC
	after startup	startup 75 W
• at 60 °C after startup	after startup	startup 68 W
	after startup	startup 63 W
power loss [W] at AC at current limitation 350 %	] at AC at current limitation 350 %	AC at current limitation 350 %
• at 40 °C during startup 3 562 W	during startup	ng startup 3 562 W
• at 50 °C during startup 2 979 W	· ·	
• at 60 °C during startup 2 617 W	during startup	ng startup 2 617 W



Control circuit/ Control	
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
● at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage	
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	470 mA
inrush current by closing the bypass contacts maximum	7.6 A
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 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
	3
number of digital outputs	
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A
	3 A
at DC-13 at 24 V rated value	1 A
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface
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
Installation/ mounting/ dimensions mounting position fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  393 mm  210 mm  203 mm
Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  393 mm  210 mm  203 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 55 mm 5 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	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
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 55 mm 5 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	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 55 mm 5 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	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 55 mm 5 mm
Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side  weight without packaging  Connections/ Terminals type of electrical connection	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
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	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 100 mm 15 mm 9.9 kg



<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)		
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)		
type of connectable conductor cross-sections			
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)		
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)		
<ul> <li>for AWG cables for control circuit solid</li> </ul>	2x (24 16)		
<ul> <li>for AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)		
core end processing			
wire length			
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m		
at the digital inputs at AC maximum	100 m		
at the digital inputs at DC maximum	1 000 m		
tightening torque			
for main contacts with screw-type terminals	14 24 N·m		
for auxiliary and control contacts with screw-type	0.8 1.2 N·m		
terminals	0.0 1.E11111		
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 operation     during storage and transport	-40 +80 °C		
environmental category	10 400 0		
	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2		
<ul> <li>during operation according to IEC 60721</li> </ul>	(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		
3 3 3	inside the devices), 1M4		
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
EMC emitted interference	acc. to IEC 60947-4-2: Class A		
Communication/ Protocol			
communication / Protocol  communication module is supported  • PROFINET standard	Yes		
communication module is supported  • PROFINET standard			
communication module is supported  • PROFINET standard  • EtherNet/IP	Yes		
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes		
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	Yes Yes Yes		
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS	Yes Yes		
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings	Yes Yes Yes		
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes		
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker	Yes Yes Yes Yes Yes		
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	Yes Yes Yes		
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	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
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	Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA		
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-	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
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 insidedelta circuit according to UL	Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
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-	Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta	Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
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 according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL	Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA		
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 according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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-	Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA		
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 insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  ousable for Standard Faults at 575/600 V at insidedelta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  of the fuse  usable for Standard Faults up to 575/600 V	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 10 kA		
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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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 10 kA Type: Class J / L, max. 700 A; lq = 10 kA		
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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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta 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 Standard 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	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta 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 Standard Faults at inside-delta circuit 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	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA		
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 insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta 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 Standard Faults at inside-delta circuit 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	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA		
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 insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  of the fuse  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	Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA  Type: Class J / L, max. 700 A; Iq = 10 kA		



<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	150 hp			
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>	150 hp			
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp			
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	125 hp			
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	250 hp			
<ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>	300 hp			
contact rating of auxiliary contacts according to UL	R300-B300			
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	finger-safe, for vertical contact from the front with cover			
electromagnetic compatibility	in accordance with IEC 60947-4-2			
Certificates/ approvals				
General Product Approval		EMC		



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5243-2AC05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5243-2AC05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-2AC05

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5243-2AC05&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5243-2AC05/char

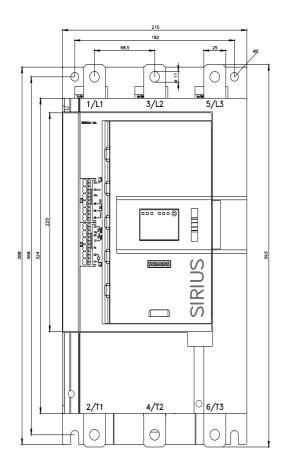
Characteristic: Installation altitude

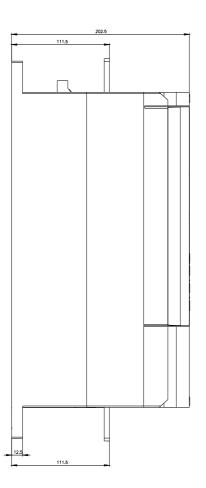
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5243-2AC05\&objecttype=14\&gridview=view1}$ 

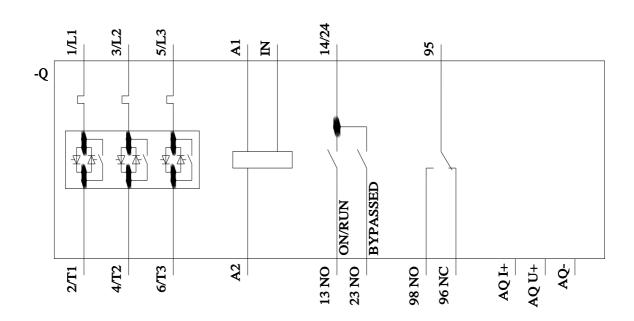
Simulation Tool for Soft Starters (STS)

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









8/24/2023



