SIEMENS

Data sheet

3RW5234-6TC05



SIRIUS soft starter 200-600 V 113 A, 24 V AC/DC Screw terminals Thermistor input

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 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10				
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10				
 of the gG fuse usable up to 690 V 	<u>3NA3244-6; Type of coordination 1, Iq = 65 kA</u>				
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA				
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1225-0; Type of coordination 2, Iq = 65 kA</u>				
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3332-0B; 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				
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 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	1 800 V				
service factor	1 800 V 1				
	6 kV				
surge voltage resistance rated value	0 KV				
maximum permissible voltage for protective separation	600 V/				
between main and auxiliary circuit					
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 20145/2014				
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; Full motor protection (thermistor motor protection and electronic motor overload protection)				
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick				
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 	No				
Power Electronics					
operational current					
• at 40 °C rated value	113 A				
• at 50 °C rated value	101 A				
• at 60 °C rated value	89 A				
operational current at inside-delta circuit					
 • at 40 °C rated value 	196 A				
• at 50 °C rated value	175 A				
• at 60 °C rated value	154 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 inside-delta circuit	-15 %				
relative positive tolerance of the operating voltage at inside-delta circuit	10 %				
operating power for 3-phase motors					
• at 230 V at 40 °C rated value	30 kW				
 at 230 V at inside-delta circuit at 40 °C rated value 	55 kW				
 at 400 V at 40 °C rated value 	55 kW				
 at 400 V at inside-delta circuit at 40 °C rated value 	110 kW				
 at 500 V at 40 °C rated value 	75 kW				
	75 kW 132 kW				
 at 500 V at 40 °C rated value at 500 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value 					

relative negative tolerance of the operating frequency	-10 %				
relative positive tolerance of the operating frequency	10 %				
adjustable motor current					
 at rotary coding switch on switch position 1 	53 A				
 at rotary coding switch on switch position 2 	57 A				
 at rotary coding switch on switch position 3 	61 A				
 at rotary coding switch on switch position 4 	65 A				
 at rotary coding switch on switch position 5 	69 A				
 at rotary coding switch on switch position 6 	73 A				
 at rotary coding switch on switch position 7 	77 A				
 at rotary coding switch on switch position 8 	81 A				
 at rotary coding switch on switch position 9 	85 A				
 at rotary coding switch on switch position 10 	89 A				
 at rotary coding switch on switch position 11 	93 A				
 at rotary coding switch on switch position 12 	97 A				
 at rotary coding switch on switch position 13 	101 A				
 at rotary coding switch on switch position 14 	105 A				
 at rotary coding switch on switch position 15 	109 A				
 at rotary coding switch on switch position 16 	113 A				
• minimum	53 A				
adjustable motor current					
 for inside-delta circuit at rotary coding switch on switch position 1 	91.8 A				
 for inside-delta circuit at rotary coding switch on switch position 2 	98.7 A				
• for inside-delta circuit at rotary coding switch on switch position 3	106 A				
 for inside-delta circuit at rotary coding switch on switch position 4 	113 A				
 for inside-delta circuit at rotary coding switch on switch position 5 for inside delta circuit at rotary coding switch on switch 	120 A 126 A				
 for inside-delta circuit at rotary coding switch on switch position 6 for inside-delta circuit at rotary coding switch on switch 	133 A				
 of a inside delta circuit at rotary coding switch on switch of a inside-delta circuit at rotary coding switch on switch 	140 A				
position 8 • for inside-delta circuit at rotary coding switch on switch	147 A				
position 9 • for inside-delta circuit at rotary coding switch on switch	154 A				
position 10for inside-delta circuit at rotary coding switch on switch	161 A				
position 11for inside-delta circuit at rotary coding switch on switch	168 A				
 position 12 for inside-delta circuit at rotary coding switch on switch 	175 A				
 position 13 for inside-delta circuit at rotary coding switch on switch position 14 	182 A				
 for inside-delta circuit at rotary coding switch on switch position 15 	189 A				
 for inside-delta circuit at rotary coding switch on switch position 16 	196 A				
at inside-delta circuit minimum	91.8 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	46 W				
• at 50 °C after startup	42 W				
• at 60 °C after startup	39 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	1 512 W				
• at 50 °C during startup	1 291 W				
• at 60 °C during startup	1 086 W				
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	380 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				
Inputs/ Outputs number of digital inputs	1			
	3			
number of digital inputs number of digital outputs • not parameterizable	3 2			
number of digital inputs number of digital outputs • not parameterizable digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	3 2			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 oforwards odownwards odownwards odt the side weight without packaging	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 5 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 10 mm 5 mm 6.6 kg			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 main current circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm 6.6 kg			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 main current circuit • for control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg busbar connection screw-type terminals			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm 6.6 kg			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 width of connection bar maximum	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 0 mm 10 mm 5 mm 6.6 kg busbar connection screw-type terminals 25 mm			
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • 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 control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg busbar connection screw-type terminals			

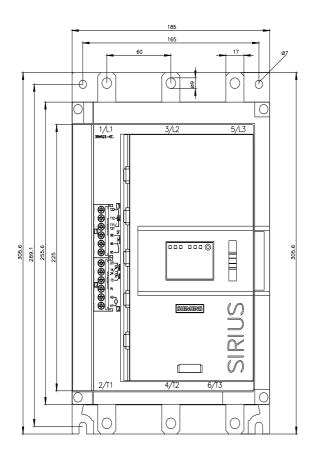
 with conductor cross-section = 2.5 mm² maximum 	250 m				
type of connectable conductor cross-sections	250 11				
for DIN cable lug for main contacts stranded	$2 \times (16 - 05 \text{ mm}^2)$				
for DIN cable lug for main contacts stranded	2x (16 95 mm ²)				
type of connectable conductor cross-sections	2x (25 120 mm²)				
	$1 \times (0.5 \pm 4.0 \text{ mm}^2) \times (0.5 \pm 2.5 \text{ mm}^2)$				
 for control circuit solid for control circuit finally stranded with core and processing 	1x (0.5 4.0 mm ²), 2x (0.5 2.5 mm ²)				
 for control circuit finely stranded with core end processing for AWG cables for control circuit solid 	1x (0.5 2.5 mm ²), 2x (0.5 1.5 mm ²)				
	1x (20 12), 2x (20 14)				
wire length	200				
between soft starter and motor maximum	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	10 14 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 	89 124 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 g inside the devices), 1M4				
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
	acc. to IEC 60947-4-2: Class A				
EMC emitted interference	acc. to IEC 60947-4-2: Class A				
EMC emitted interference Communication/ Protocol	acc. to IEC 60947-4-2: Class A				
	acc. to IEC 60947-4-2: Class A				
Communication/ Protocol	Acc. to IEC 60947-4-2: Class A				
Communication/ Protocol communication module is supported					
Communication/ Protocol communication module is supported • PROFINET standard	Yes				
Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	Yes Yes				
Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	Yes Yes Yes				
Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	Yes Yes Yes Yes				
Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	Yes Yes Yes Yes				
Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes Yes				
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	Yes Yes Yes Yes				
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	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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 inside-	Yes Yes Yes Yes Yes				
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 High Faults at 460/480 V at inside- delta circuit according to UL — usable for High Faults at 460/480 V at inside-	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
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 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 High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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 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-	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
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 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 High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
Communication / Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings 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 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	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 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 High Faults at 460/480 V 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 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	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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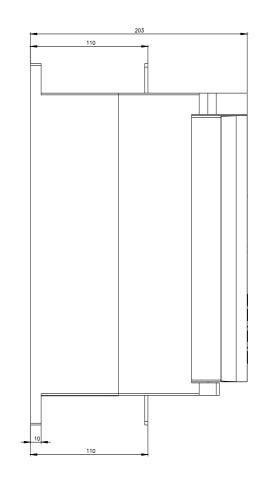
 at 220/230 V at 50 °C rated value 	30 hp				
• at 460/480 V at 50 °C rated value	75 hp				
• at 575/600 V at 50 °C rated value	100 h				
 at 200/208 V at inside-delta circuit at 50 °C rated value 	ue 50 hp				
 at 220/230 V at inside-delta circuit at 50 °C rated value 	ue 60 hp				
 at 460/480 V at inside-delta circuit at 50 °C rated value 	ue 125 h	р			
 at 575/600 V at inside-delta circuit at 50 °C rated values 	ue 150 h	150 hp			
contact rating of auxiliary contacts according to UL	R300-	-B300			
afety 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	finger-safe, for vertical contact from the front with cover			
electromagnetic compatibility	in acc	in accordance with IEC 60947-4-2			
Certificates/ approvals					
General Product Approval				EMC	
	<u>nfirmation</u>	UL UL	EHC	RCM	
	ertificates	Marine / Shipping	BUREAU VERITAS	Llovds Register us	
Marine / Shipping other Confirmation					
urther information Siemens has decided to exit the Russian market (see he https://press.siemens.com/global/en/pressrelease/siemens- Siemens is working on the renewal of the current EAC of Please contact your local Siemens office on the status of va	-wind-down-russ certificates.		end to import or offer to su	pply these products to an	
EAC relevant market (other than the sanctioned EAEU men Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813		sia or Belarus).			
Information- and Downloadcenter (Catalogs, Brochures https://www.siemens.com/ic10					
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/produ	ct?mlfb=3RW50	234-6TC05			
Cax online generator	011110-0111402				
http://support.automation.siemens.com/WW/CAXorder/defa		n&mlfb=3RW5234-6T	<u>C05</u>		
Service&Support (Manuals, Certificates, Characteristics					
https://support.industry.siemens.com/cs/ww/en/ps/3RW523- Image database (product images, 2D dimension drawin http://www.automation.siemens.com/bilddb/cax_de.aspx?m	gs, 3D models,		ms, EPLAN macros,)		
Characteristic: Tripping characteristics, I ² t, Let-through https://support.industry.siemens.com/cs/ww/en/ps/3RW523	current				
Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?viev	w=Search&mlfh=	=3RW5234-6TC05&ob	iecttype=14&aridyjew=viev	w1	

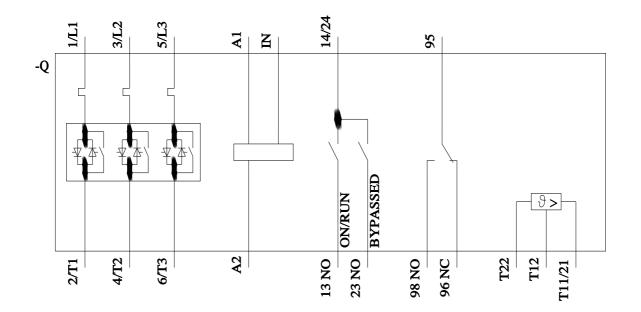
 http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5234-6TC05&objecttype=14&gridview=view1

 Simulation Tool for Soft Starters (STS)

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







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