## **SIEMENS**

product brand name

Data sheet 3RW5217-3TC05

SIRIUS



SIRIUS soft starter 200-600 V 38 A, 24 V AC/DC spring-type terminals Thermistor input

product brand name	Olivioo	
product category	Hybrid switching devices	
product designation	Soft starter	
product type designation	3RW52	
manufacturer's article number		
of standard HMI module usable	3RW5980-0HS00	
of high feature HMI module usable	3RW5980-0HF00	
of communication module PROFINET standard usable	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>	3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4WA10; Type of coordination 1, Iq = 10 kA, CLASS 10	
• of circuit breaker usable at 400 V at inside-delta circuit	3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10	
• of circuit breaker usable at 500 V at inside-delta circuit	3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10	
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA	
of the gG fuse usable at inside-delta circuit up to 500 V	3NA3824-6; Type of coordination 1, Iq = 65 kA	
of full range R fuse link for semiconductor protection usable up to 690 V	3NE1820-0; Type of coordination 2, Iq = 65 kA	
of back-up R fuse link for semiconductor protection usable up to 690 V	3NE8024-1; 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	
product feature integrated bypass contact system number of controlled phases	Yes 3	
<u> </u>		
number of controlled phases	3	
number of controlled phases trip class	3	

insulation voltage rated value	600 V		
degree of pollution	3, acc. to IEC 60947-4-2		
impulse voltage rated value	3, acc. to IEC 60947-4-2 6 kV		
blocking voltage of the thyristor maximum	1 600 V		
service factor	1 000 V		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for protective separation	UNV		
between main and auxiliary circuit	600 V		
shock resistance			
vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting		
utilization category according to IEC 60947-4-2	15 mm to 6 Hz; 2g to 500 Hz		
reference code according to IEC 81346-2	AC 53a Q		
<u> </u>	02/15/2018		
Substance Prohibitance (Date)	02/13/2016		
product function	Yes		
• ramp-up (soft starting)	Yes		
• ramp-down (soft stop)	Yes		
Soft Torque     adjustable current limitation	Yes		
adjustable current limitation     pump ramp down	Yes		
pump ramp down     intrinsic device protection	Yes		
intrinsic device protection     mater everlead protection	Yes; Full motor protection (thermistor motor protection and electronic motor		
motor overload protection	ves; Full motor protection (thermistor motor protection and electronic motor overload protection)		
<ul> <li>evaluation of thermistor motor protection</li> </ul>	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		
<ul> <li>operating measured value display</li> </ul>	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		
<ul> <li>removable terminal for control circuit</li> </ul>	Yes		
torque control	No		
analog output	No		
Power Electronics			
operational current			
• at 40 °C rated value	38 A		
• at 50 °C rated value	33.5 A		
• at 60 °C rated value	30.5 A		
operational current at inside-delta circuit			
at 40 °C rated value	65.8 A		
• at 50 °C rated value	58 A		
• at 60 °C rated value	52.8 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			
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	11 kW		
• at 230 V at inside-delta circuit at 40 °C rated value	18.5 kW		
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	18.5 kW		
• at 400 V at inside-delta circuit at 40 °C rated value	30 kW		
<ul> <li>at 500 V at 40 °C rated value</li> </ul>	22 kW		
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	37 kW		

Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	10 70
at rotary coding switch on switch position 1	15.5 A
at rotary coding switch on switch position 2	17 A
	18.5 A
at rotary coding switch on switch position 3     at rotary coding switch on switch position 4.	20 A
at rotary coding switch on switch position 4      at rotary coding switch on switch position 5	21.5 A
at rotary coding switch on switch position 5	
at rotary coding switch on switch position 6     at rotary coding switch on switch position 7.	23 A
at rotary coding switch on switch position 7	24.5 A
at rotary coding switch on switch position 8	26 A
at rotary coding switch on switch position 9	27.5 A
at rotary coding switch on switch position 10	29 A
at rotary coding switch on switch position 11	30.5 A
at rotary coding switch on switch position 12	32 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 14	33.5 A
at rotary coding switch on switch position 14	35 A
at rotary coding switch on switch position 15	36.5 A
at rotary coding switch on switch position 16	38 A
• minimum	15.5 A
<ul> <li>adjustable motor current</li> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	26.8 A
for inside-delta circuit at rotary coding switch on switch position 2	29.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	32 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	34.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	37.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	39.8 A
for inside-delta circuit at rotary coding switch on switch position 7      for inside delta circuit at rotary coding switch an exitable position.	42.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	45 A 47.6 A
position 9 • for inside-delta circuit at rotary coding switch on switch	50.2 A
position 10 • for inside-delta circuit at rotary coding switch on switch	52.8 A
<ul><li>position 11</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	55.4 A
position 12     for inside-delta circuit at rotary coding switch on switch position 13	58 A
<ul> <li>position 13</li> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	60.6 A
for inside-delta circuit at rotary coding switch on switch position 15	63.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	65.8 A
at inside-delta circuit minimum	26.8 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	23 W
• at 50 °C after startup	22 W
at 60 °C after startup	21 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	628 W
<ul> <li>at 50 °C during startup</li> </ul>	526 W
<ul> <li>at 60 °C during startup</li> </ul>	464 W

Control sirewit/ 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	-20 %	
AC at 50 Hz		
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 %	
	160 mA	
control supply current in standby mode rated value		
holding current in bypass operation rated value	360 mA	
inrush current by closing the bypass contacts maximum	0.75 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	
Inputs/ Outputs	scope of supply	
Inputs/ Outputs	scope of supply	
number of digital inputs	scope of supply  1	
number of digital inputs number of digital outputs	scope of supply  1 3	
number of digital inputs number of digital outputs  • not parameterizable	scope of supply  1 3 2	
number of digital inputs number of digital outputs	scope of supply  1 3	
number of digital inputs number of digital outputs  • not parameterizable	scope of supply  1 3 2	
number of digital inputs number of digital outputs  • not parameterizable digital output version	1 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	1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)	
number of digital inputs number of digital outputs  o not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	1 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	1 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	1 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 Installation/ mounting/ dimensions mounting position	1 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 fastening method	1 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	1 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 275 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	1 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	1 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 275 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	1 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 275 mm 170 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	1 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 275 mm 170 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	1 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 275 mm 170 mm 152 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	1 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 275 mm 170 mm 152 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	1 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 275 mm 170 mm 152 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	1 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 275 mm 170 mm 152 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 downwards at the side	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 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 downwards at the side weight without packaging	1 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 275 mm 170 mm 152 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 downwards at the side	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 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 downwards at the side weight without packaging	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 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 downwards at the side weight without packaging Connections/ Terminals	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 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 downwards at the side weight without packaging Connections/ Terminals type of electrical connection	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.3 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 downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.3 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  • downwards  • at the side  weight without packaging  Connections/ Terminals  type of electrical connection  • for main current circuit  • for control circuit	scope of supply  1 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 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg	

with conductor cross-section = 1.5 mm² maximum	150 m		
with conductor cross-section = 2.5 mm² maximum	250 m		
type of connectable conductor cross-sections			
for main contacts			
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)		
for AWG cables for main current circuit solid	2x (16 12), 2x (14 8)		
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 core end processing</li> </ul>	2x (24 16)		
wire length			
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m		
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m		
at the digital inputs at DC maximum	1 000 m		
tightening torque			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m		
tightening torque [lbf·in]			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf·in		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	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		
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 $$		
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
EMC emitted interference	acc. to IEC 60947-4-2: Class A		
Communication/ Protocol			
communication module is supported			
<ul> <li>PROFINET standard</li> </ul>	Yes		
• EtherNet/IP	Yes		
<ul> <li>Modbus RTU</li> </ul>	Yes		
Modbus TCP	Yes		
• PROFIBUS	Yes		
UL/CSA ratings			
manufacturer's article number			
of circuit breaker			
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
— usable for High Faults at 460/480 V according to UL	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA		
usable for Standard Faults at 460/480 V at insidedelta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
<ul> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
<ul> <li>usable for Standard Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA		
of the fuse			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 150 A; Iq = 5 kA		
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 150 A; Iq = 100 kA		
<ul> <li>usable for Standard Faults at inside-delta circuit up</li> </ul>	Type: Class RK5 / K5, max. 150 A; Iq = 5 kA		

to 575/600 V according to UL				
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 150 A; Iq = 100 kA			
operating power [hp] for 3-phase motors				
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	10 hp			
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	10 hp			
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	20 hp			
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>	30 hp			
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp			
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	20 hp			
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	40 hp			
• at 575/600 V at inside-delta circuit at 50 °C rated value	50 hp			
contact rating of auxiliary contacts according to UL	R300-B300			
Safety related data				
protection class IP on the front according to IEC 60529	IP20			
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front			
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.  $\label{eq:continuous}$ 

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=3RW5217-3TC05

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5217-3TC05}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3TC05

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5217-3TC05&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

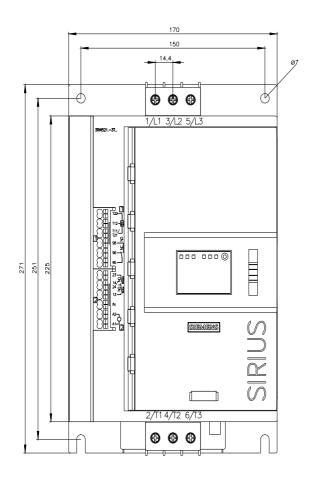
https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3TC05/char

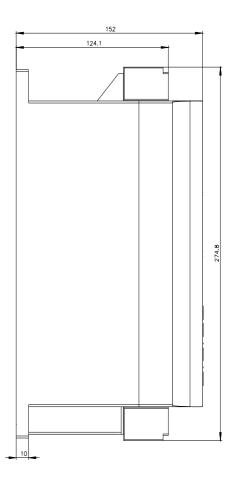
Characteristic: Installation altitude

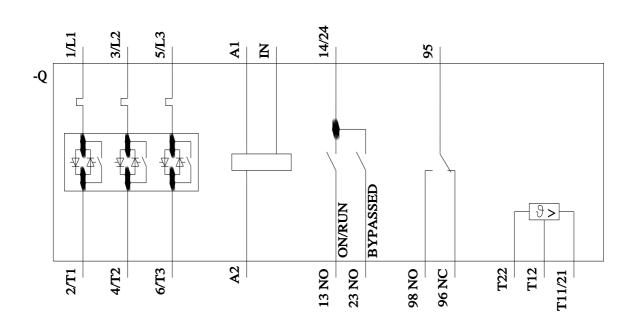
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5217-3TC05\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

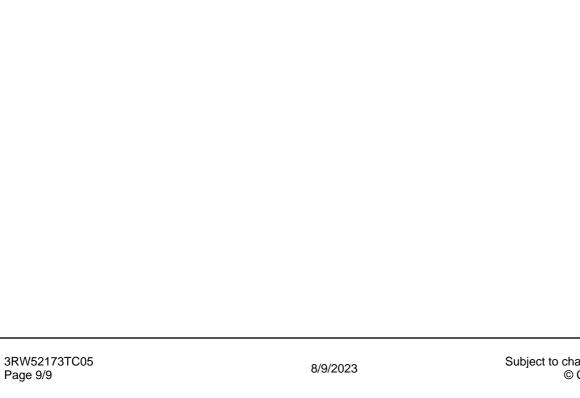
https://support.industry.siemens.com/cs/ww/en/view/101494917







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