## **SIEMENS**

product brand name

Data sheet 3RW5217-3AC04

SIRIUS



SIRIUS soft starter 200-480 V 38 A, 24 V AC/DC spring-type terminals Analog output

product brand name	Sirios
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
• of circuit breaker usable at 500 V	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
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1820-0; 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>	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 Yes
product feature integrated bypass contact system number of controlled phases	
<u> </u>	Yes
number of controlled phases	Yes 3
number of controlled phases trip class	Yes 3

insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	5, acc. to IEC 60947-4-2
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	O NV
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	
<ul><li>ramp-up (soft starting)</li></ul>	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
<ul> <li>PROFlenergy</li> </ul>	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	
• 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 VC rated value	
• at 40 °C rated value	65.8 A
• at 50 °C rated value	58 A
<ul><li>at 50 °C rated value</li><li>at 60 °C rated value</li></ul>	
at 50 °C rated value     at 60 °C rated value  operating voltage	58 A 52.8 A
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value	58 A 52.8 A 200 480 V
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value	58 A 52.8 A 200 480 V 200 480 V
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage	58 A 52.8 A 200 480 V 200 480 V -15 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative positive tolerance of the operating voltage	58 A 52.8 A 200 480 V 200 480 V -15 % 10 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage	58 A 52.8 A 200 480 V 200 480 V -15 %
at 50 °C rated value     at 60 °C rated value  operating voltage     rated value     at inside-delta circuit rated value  relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage	58 A 52.8 A 200 480 V 200 480 V -15 % 10 %
at 50 °C rated value     at 60 °C rated value  operating voltage     rated value     at inside-delta circuit rated value  relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at	58 A 52.8 A 200 480 V 200 480 V -15 % 10 % -15 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage at inside-delta circuit  relative positive tolerance of the operating voltage at inside-delta circuit	58 A 52.8 A 200 480 V 200 480 V -15 % 10 % -15 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage at inside-delta circuit  relative positive tolerance of the operating voltage at inside-delta circuit  operating power for 3-phase motors	58 A 52.8 A 200 480 V 200 480 V -15 % 10 % -15 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative positive tolerance of the operating voltage at inside-delta circuit  relative positive tolerance of the operating voltage at inside-delta circuit  operating power for 3-phase motors  at 230 V at 40 °C rated value	58 A 52.8 A  200 480 V 200 480 V -15 % 10 % -15 % 10 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage at inside-delta circuit  relative positive tolerance of the operating voltage at inside-delta circuit  operating power for 3-phase motors  at 230 V at 40 °C rated value  at 230 V at inside-delta circuit at 40 °C rated value	58 A 52.8 A  200 480 V 200 480 V -15 % 10 % -15 %  10 %
at 50 °C rated value  at 60 °C rated value  operating voltage  rated value  at inside-delta circuit rated value  relative negative tolerance of the operating voltage  relative positive tolerance of the operating voltage  relative negative tolerance of the operating voltage  relative negative tolerance of the operating voltage at inside-delta circuit  relative positive tolerance of the operating voltage at inside-delta circuit  operating power for 3-phase motors  at 230 V at 40 °C rated value  at 230 V at inside-delta circuit at 40 °C rated value  at 400 V at 40 °C rated value	58 A 52.8 A  200 480 V 200 480 V -15 %  10 %  -15 %  10 %  11 kW 18.5 kW

elative negative tolerance of the operating frequency	10 % _ 10 %
elative positive tolerance of the operating frequency	10 70
idjustable motor current	45.5.4
at rotary coding switch on switch position 1	15.5 A
at rotary coding switch on switch position 2	17 A
at rotary coding switch on switch position 3	18.5 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	20 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	21.5 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	23 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	24.5 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	26 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	27.5 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	29 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	30.5 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	32 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	33.5 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	35 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	36.5 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	38 A
minimum	15.5 A
djustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	26.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	29.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	32 A
for inside-delta circuit at rotary coding switch on switch position 4	34.6 A
for inside-delta circuit at rotary coding switch on switch position 5	37.2 A
for inside-delta circuit at rotary coding switch on switch position 6      for inside delta circuit at rotary coding switch on switch position 6	39.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	42.4 A 45 A
position 8  • for inside-delta circuit at rotary coding switch on switch	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
position 11 • for inside-delta circuit at rotary coding switch on switch	55.4 A
position 12 • for inside-delta circuit at rotary coding switch on switch	58 A
position 13 • for inside-delta circuit at rotary coding switch on switch	60.6 A
for inside-delta circuit at rotary coding switch on switch	63.2 A
<ul> <li>position 15</li> <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
ninimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	22 W
• at 40 °C after startup	23 W
• at 50 °C after startup	22 W
at 60 °C after startup  A C A C A C A C A C A C A C A C A C A	21 W
power loss [W] at AC at current limitation 350 %	999.W
at 40 °C during startup	628 W
at 50 °C during startup	526 W
at 60 °C during startup	464 W
ontrol circuit/ Control	

and all all and all and all all and all all and all all and all all all and all all all and all all all all all all all all all al	
control supply voltage at AC	04.1/
• 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	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 scope of supply
Inputs/ Outputs	
nputs/ Outputs number of digital inputs	1
	1 3
number of digital inputs	
number of digital inputs number of digital outputs	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 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)
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) 1
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) 1 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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) 1 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 nstallation/ mounting/ dimensions mounting position fastening method height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1  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	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1  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  depth  required spacing with side-by-side mounting	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1  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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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
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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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 nstallation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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 nstallation/ 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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 nstallation/ 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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 nstallation/ 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	2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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  nstallation/ 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	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  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  nstallation/ 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	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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 type of connectable conductor cross-sections	2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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

for AWG cables for main current circuit solid	2x (16 12), 2x (14 8)
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm²)
for control circuit finely stranded with core end processing	2x (0.25 1.5 mm²)
for AWG cables for control circuit solid	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	
for main contacts with screw-type terminals	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	
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
<ul> <li>during transport according to IEC 60721</li> </ul>	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	400. to 120 00047 4 2. Oldoo //
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
<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; Iq = 5 kA
— usable for High Faults at 460/480 V according to UL	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA
<ul> <li>usable for Standard Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
usable for High Faults at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA
usable for Standard Faults at 575/600 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
usable for Standard Faults at 575/600 V at insidedelta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
• of the fuse	
usable for Standard Faults up to 575/600 V     according to 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
usable for Standard Faults at inside-delta circuit up	Type: Class RK5 / K5, max. 150 A; Iq = 5 kA
to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to	Type: Class J / L, max. 150 A; Iq = 100 kA
575/600 V according to UL operating power [hp] for 3-phase motors	
at 200/208 V at 50 °C rated value	10 hp
• at 220/230 V at 50 °C rated value	10 hp
• at 460/480 V at 50 °C rated value	20 hp

 at 200/208 V at inside-delta circuit at 50 °C rated value 15 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 20 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 40 hp contact rating of auxiliary contacts according to UL R300-B300 Safety related data protection class IP on the front according to IEC 60529 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.

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=3RW5217-3AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-3AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5217-3AC04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

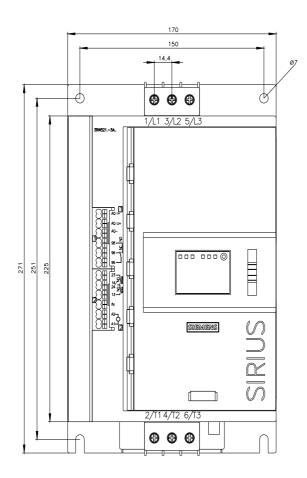
https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC04/char

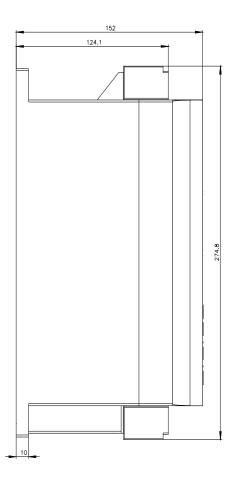
Characteristic: Installation altitude

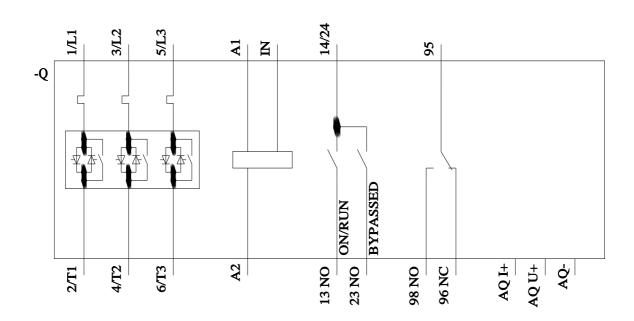
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-3AC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 1/14/2023 🖸

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