## **SIEMENS**

**Data sheet** 3RW5216-1AC14



SIRIUS soft starter 200-480 V 32 A, 110-250 V AC Screw terminals Analog output





of communication module PROFINET standard usable	3RW3980-0C500
of communication module PROFIBUS usable	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
of communication module Ethernet/IP	3RW5980-0CE00
of circuit breaker usable at 400 V	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
of circuit breaker usable at 500 V	3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10
of circuit breaker usable at 500 V at inside-delta circuit	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10
of the qG fuse usable up to 690 V	3NA3824-6: Type of coordination 1. Ig = 65 kA

 of the gG fuse usable up to 690 V • 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 3NE1818-0; Type of coordination 2, Iq = 65 kA

usable up to 690 V

• of back-up R fuse link for semiconductor protection 3NE8022-1; Type of coordination 2, Iq = 65 kA usable up to 690 V

acable up to coo v	
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> <li>UL approval</li> </ul>	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
<ul> <li>is supported HMI-Standard</li> </ul>	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
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	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	UNV
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
SVHC substance name	Lead - 7439-92-1
Sync substance name	Lead - 7435-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Diboron trioxide - 1303-86-2
Weight	2.3 kg
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
<ul> <li>intrinsic device protection</li> </ul>	Yes
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No
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
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
• torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current	
• at 40 °C rated value	32 A
• at 50 °C rated value	28.4 A
at 60 °C rated value	26 A
operational current at inside-delta circuit	
• at 40 °C rated value	55.4 A
• at 50 °C rated value	49 A
at 60 °C rated value	45 A
operating voltage	
rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %

operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	7.5 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	15 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	15 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	22 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	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	14 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	15.2 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	16.4 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	17.6 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	18.8 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	20 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	21.2 A
at rotary coding switch on switch position 8	22.4 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	23.6 A
at rotary coding switch on switch position 10	24.8 A
at rotary coding switch on switch position 11	26 A
at rotary coding switch on switch position 12	27.2 A
at rotary coding switch on switch position 13	28.4 A
at rotary coding switch on switch position 14	29.6 A
at rotary coding switch on switch position 15	30.8 A
at rotary coding switch on switch position 16	32 A
minimum     adjustable motor current	14 A
adjustable motor current	24.2.4
for inside-delta circuit at rotary coding switch on switch position 1	24.2 A
for inside-delta circuit at rotary coding switch on switch position 2	26.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	28.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	30.5 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	32.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	34.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	36.7 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	38.8 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	40.9 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	43 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	45 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	47.1 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	49.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	51.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	53.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	55.4 A
at inside-delta circuit minimum	24.2 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	anu.
• at 40 °C after startup	22 W
• at 50 °C after startup	21 W
at 60 °C after startup	20 W

power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	531 W
<ul> <li>at 50 °C during startup</li> </ul>	449 W
at 60 °C during startup	395 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
inrush current by closing the bypass contacts maximum	0.17 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
Inputs/ 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  o not parameterizable digital output version number of analog outputs	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	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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 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) 1 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) 1 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) 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 fastening method	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 Installation/ 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  number of digital outputs  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	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 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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	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 Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	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  Installation/ 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 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 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	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  10 mm  5 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	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  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  10 mm  5 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 control circuit  for connectable conductor cross-sections	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  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 control circuit • for connectable conductor cross-sections • for main contacts	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 screw-type terminals screw-type terminals
number of digital inputs  number of digital outputs  number of digital outputs  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 control circuit  for connectable conductor cross-sections	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  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	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
at the digital inputs at AC maximum	100 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</li> </ul>	0.8 1.2 N·m
terminals	
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	
	F 000 m; Pereting on of 1000 m, and entaled
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	25 ±60 °C: Places observe denoting at temporatures of 40 °C as about
during operation     during storage and transport	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	2KG (no ice formation only constituted to the constitute of the co
<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
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
• during storage according to 120 00721	inside the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
Environmental footprint	
Global Warming Potential [CO2 eq] total	185 kg
Global Warming Potential [CO2 eq] during manufacturing	37.2 kg
global warming potential [CO2 eq] during sales	0.66 kg
Global Warming Potential [CO2 eq] during operation	152 kg
Global Warming Potential [CO2 eq] after end of life	-4.19 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Electromagnetic compatibility	
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	400.10.120.00011 1.21.010007
communication module is supported	
PROFINET standard	Yes
• EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS  UL/CSA ratings	Yes
manufacturer's article number	
of circuit breaker usable for Standard Faults	Oir
— at 460/480 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
— 60/480 V according to UL	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA
— at 460/480 V at inside-delta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
— 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA51, max. 60 A; lq max = 65 kA
— at 575/600 V according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
<ul> <li>— at 575/600 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
<ul> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V</li> </ul>	Type: Class RK5 / K5, max. 125 A; Iq = 5 kA
according to UL  — usable for High Faults up to 575/600 V according to	Type: Class J / L, max. 125 A; Iq = 100 kA
UL  — usable for Standard Faults at inside-delta circuit up	Type: Class RK5 / K5, max. 125 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. 125 A; lq = 100 kA
575/600 V according to UL  operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	7.5 hp

• at 220/230 V at 50 °C rated value	10 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	20 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp
• at 220/230 V at inside-delta circuit at 50 °C rated value	15 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	30 hp
contact rating of auxiliary contacts according to UL	R300-B300
Electrical Safety	
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
Approvals Certificates	

## General Product Approval







Confirmation





EMV

**Test Certificates** 

Marine / Shipping



<u>KC</u>

Type Test Certificates/Test Report







Marine / Shipping

other

**Environment** 



Confirmation

Siemens EcoTech



Environmental Confirmations

## Further information

Information on the packaging

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

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$ 

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5216-1AC14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5216-1AC14}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5216-1AC14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

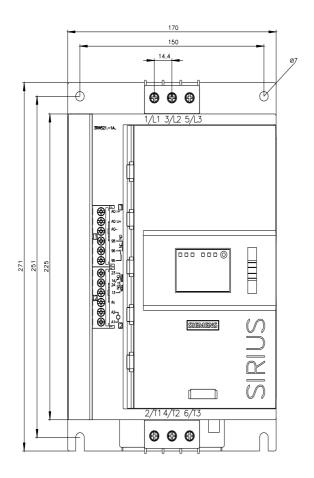
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC14/char

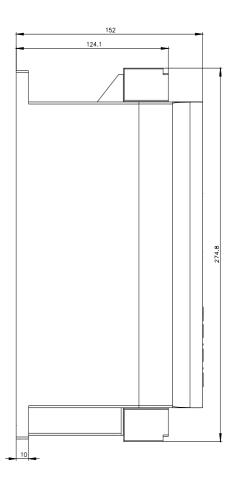
Characteristic: Installation altitude

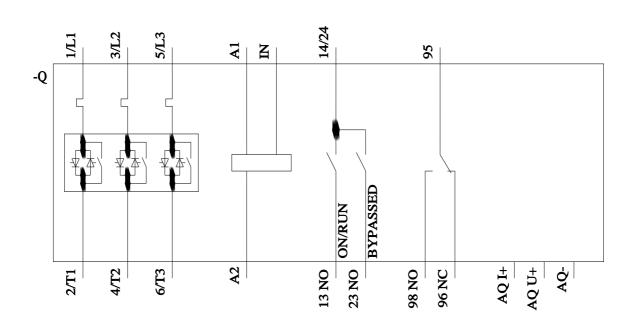
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5216-1AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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