## **SIEMENS**

Data sheet 3RW5216-1AC14



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

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4VA10; Type of coordination 1, lq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4JA10: Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4JA10; 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
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	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>	3NE1818-0: 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>	3NE8022-1; Type of coordination 2, Iq = 65 kA

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	
<ul> <li>HMI-High Feature</li> </ul>	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

trip class  buffering time in the event of power failure  • for main current circuit  • for control circuit  insulation voltage rated value  degree of pollution  impulse voltage rated value  blocking voltage of the thyristor maximum  service factor	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2  100 ms 100 ms 600 V 3, acc. to IEC 60947-4-2 6 kV 1 600 V
for main current circuit     for control circuit     insulation voltage rated value     degree of pollution     impulse voltage rated value     blocking voltage of the thyristor maximum     service factor	100 ms 600 V 3, acc. to IEC 60947-4-2 6 kV 1 600 V
for control circuit     insulation voltage rated value     degree of pollution     impulse voltage rated value     blocking voltage of the thyristor maximum     service factor	100 ms 600 V 3, acc. to IEC 60947-4-2 6 kV 1 600 V
insulation voltage rated value  degree of pollution impulse voltage rated value blocking voltage of the thyristor maximum service factor	600 V 3, acc. to IEC 60947-4-2 6 kV 1 600 V
degree of pollution impulse voltage rated value blocking voltage of the thyristor maximum service factor	3, acc. to IEC 60947-4-2 6 kV 1 600 V
impulse voltage rated value blocking voltage of the thyristor maximum service factor	6 kV 1 600 V
blocking voltage of the thyristor maximum service factor	1 600 V
service factor	
	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	C00 V
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	Vos
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down     intrinsis double grantestics	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
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
• error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable     PROFlement	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 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	

-t 000 V -t 40 %0t- dl	7.5 1.44
• at 230 V at 40 °C rated value	7.5 kW
• at 230 V at inside-delta circuit at 40 °C rated value	15 kW
• at 400 V at 40 °C rated value	15 kW
at 400 V at inside-delta circuit at 40 °C rated value	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	***
at rotary coding switch on switch position 1	14 A
at rotary coding switch on switch position 2	15.2 A
at rotary coding switch on switch position 3	16.4 A
at rotary coding switch on switch position 4	17.6 A
at rotary coding switch on switch position 5	18.8 A
at rotary coding switch on switch position 6	20 A
at rotary coding switch on switch position 7	21.2 A
at rotary coding switch on switch position 8	22.4 A
at rotary coding switch on switch position 9     at rotary coding switch on switch position 10	23.6 A
at rotary coding switch on switch position 10     at rotary coding switch on switch position 11	24.8 A
at rotary coding switch on switch position 11     at rotary coding switch on switch position 12	26 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 12	27.2 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 14	28.4 A
at rotary coding switch on switch position 14     at rotary coding switch on switch position 15	29.6 A 30.8 A
<ul> <li>at rotary coding switch on switch position 15</li> <li>at rotary coding switch on switch position 16</li> </ul>	30.8 A 32 A
at rotary county switch on switch position ro     minimum	14 A
adjustable motor current	14 //
for inside-delta circuit at rotary coding switch on switch position 1	24.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	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
for inside-delta circuit at rotary coding switch on switch position 11	45 A
for inside-delta circuit at rotary coding switch on switch position 12      for inside delta sizewit at rotary coding switch on switch on the sizewit at rotary coding switch on the sizewit at rotary coding switch on the sizewit at rotary coding switch on the switch of the sizewit at rotary coding switch on the switch of the sizewit at rotary coding switch on the switch of	47.1 A
for inside-delta circuit at rotary coding switch on switch position 13	49.2 A
for inside-delta circuit at rotary coding switch on switch position 14  for inside delta significant paters and instruction are	51.3 A
for inside-delta circuit at rotary coding switch on switch position 15      for inside delta sizewit at rotary coding switch on	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  minimum lood [9/1]	24.2 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	22 W
at 50 °C after startup	21 W
■ at 50 C after startup	Z I VV

- ot 60 °C often -tt	20 M	
• 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	
locked-rotor current at close of bypass contact	0.17 A	
maximum		
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	
design of short-circuit protection for control circuit  Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is	
Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply	
Inputs/ Outputs number of digital inputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply	
Inputs/ Outputs number of digital inputs number of digital outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3	
Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2	
Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable  digital output version	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)	
Inputs/ Outputs number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2	
Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable  digital output version  number of analog outputs  switching capacity current of the relay outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  number of digital inputs  ont parameterizable digital output version number of analog outputs switching capacity current of the relay outputs otal AC-15 at 250 V rated value otal DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting oforwards backwards upwards downwards at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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	
Inputs/ Outputs  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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1 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 5 mm 2.3 kg	

For main contacts     Solid     Finely stranded with core end processing     Finely of commostable conductor cross-sections     For control circuit solid     For exident and motor maximum     For the digital inputs at AC maximum     For main contacts with screw-type terminals     For availage and cortol contacts with screw-type     For main contacts with screw-type terminals     For availage and control contacts with screw-type     For main contacts with screw-type terminals     For availage and control contacts with screw-type     For main contacts with screw-type terminals     For availage and control contacts with screw-type     For main contacts with screw-type     For availage and transport     For availage	tune of connectable conductor erections			
solid finely stranded with core end processing at AWG cables for main current croat solid finely stranded with core end processing at AWG cables for main current croat solid 2x (102.5 mm²), 2x (2.56.0 mm²) 2x (102.5 mm²) mm²) 2	type of connectable conductor cross-sections			
finely stranded with core end processing al AWG cables for main current circuit solid to control contacts with sorew-type terminals to control contacts with sorew-ty		2v (1 0 2 5 mm²) 2v (2 5 10 mm²)		
or AWG cables for main current circuit solid     type of connectable conductor cross-sections				
type of connectable conductor cross-sections  • for control circuit solid  • for control circuit finely stranded with core end processing  • all AWG cables for control circuit solid  1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)  1x (2.0 12), 2x (2.0 14)  1x (2.0 12),				
• for control circuit solid • for control circuit solid • for control circuit fleely stranded with core end processing • at AWG cables for control circuit solid  wire length • between soft starter and motor maximum • between soft starter and motor maximum • at the digital inputs at AG maximum  100 m  tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with		ZX (10 12), ZX (17 0)		
or control circuit finely stranded with core end processing     or at AWG cables for control circuit solid      wire length	5.	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
e at AWG cables for control circuit solid  * at NWG cables for control circuit solid  * between soft starter and motor maximum  * at the digital inputs at AC maximum  * of the digital inputs at AC maximum  * of roman contacts with screw-type terminals  * of ro auxiliary and control contacts with screw-type terminals  * of ro auxiliary and control contacts with screw-type terminals  * of ro auxiliary and control contacts with screw-type terminals  * of ro auxiliary and control contacts with screw-type terminals  * of ro auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control contacts with screw-type terminals  * of or auxiliary and control control or auxiliary and control and cont	<ul> <li>for control circuit finely stranded with core end</li> </ul>			
wire length  • between soft starter and motor maximum • at the digital inputs at AC maximum 100 m  tightening forque • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for "C: Please observe derating at temperatures of 40 °C or above above terminals • for "C: Please observe derating at temperatures of 40 °C or above above terminals • for "C: Please observe derating at temperatures of 40 °C or above above terminals • for "C: Please observe derating at temperatures of 40 °C or above above terminals • for "C: Ce 60721 • f	processing			
between soft stater and motor maximum     st the digital inputs at AC maximum     for main contacts with screw-type terminals     for sunifiary and control contacts with screw-type terminals     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals     for main contacts with screw-type terminals     for auxiliary and control contacts with screw-type terminals     for for or for for for for auxiliary and control contacts with screw-type terminals     for for for for for for for for for	at AWG cables for control circuit solid	1x (20 12), 2x (20 14)		
• at the digital inputs at AC maximum tightering torque • for man contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for for auxiliary and control contacts with screw-type terminals • for	_			
### display of the part of the				
• for main contacts with screw-type terminals • for auxillary and control sold in the screw-type terminals • for auxillary and control sold in the screw-type terminals		100 m		
• for auxiliary and control contacts with screw-type terminals • for framin contacts with screw-type terminals • for framin contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for continuous propertion according to IEC 60721   **South of C; Please observe derating at temperatures of 40 °C or above   **South of C; Please observe derating at temperatures of 40 °C or above   **A C; 25		0.051		
tightening torque [lbFin]  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  • for auxiliary and control contacts with screw-type terminals  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage and transport  • during storage according to IEC 60721  • during transport according to IEC 60721  • during storage according to IEC 60721  • REC emitted interference  • PROFIRET standard  • PROFIRET standard  • ElemNet/IP  • Modobus RTU  • usable for Standard Faults at 460/480				
tightening torque (ibf-in)  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals  Installation altitude at height above sea level maximum ambient conditions  Installation altitude at height above sea level maximum ambient temperature • during operation • during operation • during operation according to IEC 60721 • during operation according to IEC 60721 • during storage and transport • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during operation according to IEC 60721 • PROFINET standard Faults at 460/480 V according to IEC 60721 • procing to IE		0.8 1.2 N·m		
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals    Ambient conditions				
• for auxiliary and control contacts with screw-type terminals  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature • during peration • during storage and transport • during storage and transport • during storage and transport • during storage according to IEC 60721 • during threates according to IEC 60721 • during transport according to IEC 60721 • PROFIBES   **Ves • EtherNet/IP • Modbus TCP • PROFIBUS  **Ves • PROFIBUS  **Ves • PROFIBUS  **ULICSA ratings**  **manufacturer's article number • of circuit breaker  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  — usable for Standard Faults at inside-delta  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at inside-delta  — usable for Standard Faults at inside-delta  — usable for		18 22 lbf·in		
Ambient conditions installation allitude at height above sea level maximum  ambient temperature  during operation  during storage and transport  during operation according to IEC 60721  during storage according to IEC 60721  during transport according to IEC 60721  EMC emitted interference  Communication Protocol  communication Protocol  communication Protocol  communication Module is supported  PROFINET standard  PROFIBUS  PROFIBUS  ULCSA ratius  musble for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard		7 10.3 lbf·in		
installation altitude at height above sea level maximum  ambient temperature  during operation  during storage and transport  during operation according to IEC 60721  during storage according to IEC 60721  during transport according to IEC 60721  during transport according to IEC 60721  EMC emitted interference  Communication/ Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL	terminals			
ambient temperature  • during operation  • during storage and transport  • during storage and transport  • during storage and coording to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  • yes  • PROFIBUS   **Yes  **ULCOSA ratings**  **mainisted-tella circuit according to IEC 60721  • yes  • during transport according to IEC 60721  • yes  • during transport according to IEC 60721  • yes  • during transport according to IEC 60721  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA  **Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA	Ambient conditions			
during storage and transport during storage and transport during operation according to IEC 60721 during operation according to IEC 60721 during storage according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 during transport according to IEC 60721 EMC emitted interference  Communication module is supported PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  of the fuse  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults up to 575/600 V according to UL  usable for High Faults at 450/480 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for High Faults at 160/480 V according to UL  usable for Standard Faults at 160/480 V according to UL  usable for Standard Faults at 160/480 V according to UL  usable for Standard Faults at 160/480 V according to UL  usable for Standard Faults at 160/480 V according to UL  usable for Standard Faults at 160/480 V acco		5 000 m; Derating as of 1000 m, see catalog		
oduring storage and transport     environmental category     oduring operation according to IEC 60721     oduring storage according to IEC 60721     oduring storage according to IEC 60721     oduring transport according to IEC 60721     odur	•			
environmental category  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus RTU  • Modbus RTU  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standar	during operation	above		
during operation according to IEC 60721      during storage according to IEC 60721      during storage according to IEC 60721      during transport according to IEC 60721      during transport according to IEC 60721      during transport according to IEC 60721  EMC emitted interference  communication module is supported  PROFINET standard  PROFINET standard  Modbus RTU  Modbus RTU  PROFIBUS   UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 4575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — Usable for Standard Faults up to 575/600		-40 +80 °C		
mist), 3S2 (sand must not get into the devices), 3M6  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 450/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA				
oduring transport according to IEC 60721  EMC emitted interference  communication/Protocol  communication module is supported  PROFINET standard  Preside the residence of the residence of the fuse  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  vaccording to UL  usable for Standard Faults up to 575/600 V according to UL  vaccording to UL  va		mist), 3S2 (sand must not get into the devices), 3M6		
EMC emitted interference  acc. to IEC 60947-4-2: Class A  Communication module is supported  PROFINET standard Preserved  PROFINET standard Preserved  Modbus RTU Modbus RTU Modbus TCP PROFIBUS  Wes Wes Wes Wes Wes Wes Wes Wes Wes We		not get inside the devices), 1M4		
communication / Protocol  communication module is supported  PROFINET standard  PROFINET standard  Yes  Modbus RTU  Modbus TCP  PROFIBUS  Ves  Yes  PROFIBUS   UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  Of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  Type: Class J / L, max. 125 A; Iq = 100 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA				
communication module is supported  PROFINET standard PROFINET standard PROFINET standard Pres Modbus RTU Modbus TCP PROFIBUS  Tyes PROFIBUS  Wes PROFIBUS  Tyes  PROFIBUS  Tyes  Wes  PROFIBUS  Wes  PROFIBUS  Tyes  Wes  Wes  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  Of the fuse — usable for Standard Faults up to 575/600 V according to UL  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA		acc. to IEC 60947-4-2: Class A		
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  Wes  PROFIBUS  Wes  PROFIBUS  Wes  UL/CSA ratings  manufacturer's article number  of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 100 KA				
EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS    Modbus TCP     PROFIBUS   Yes   PROFIBUS   Yes   Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA   Yes   Y	• •	Von		
Modbus RTU     Modbus TCP     Yes     Yes     PROFIBUS   Manufacturer's article number     of circuit breaker      — usable for Standard Faults at 460/480 V according to UL      — usable for High Faults at 460/480 V at inside-delta circuit according to UL      — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL      — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL      — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL      — usable for Standard Faults at 575/600 V according to UL      — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL      — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL      — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL      — usable for Standard Faults up to 575/600 V according to UL      — usable for Standard Faults up to 575/600 V according to UL      — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA				
<ul> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>PROFIBUS</li> <li>Yes</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</li> <li>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; I</li></ul>				
PROFIBUS  Wasulfacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for High Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA				
manufacturer's article number  • of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 100 kA				
manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for High Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults at 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  usable for Standard Faults up to 575/600 V according to UL  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 100 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA				
<ul> <li>of circuit breaker  — usable for Standard Faults at 460/480 V according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for S</li></ul>				
according to UL  — usable for High Faults at 460/480 V according to UL  — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 100 kA				
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>• of the fuse</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta</li> <li>— Usable for Standard Faults at 460/480 V at inside-delta</li> <li>— Usable for Standard Faults at 460/480 V at inside-delta</li> <li< td=""><td></td><td>Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA</td></li<></ul>		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
inside-delta circuit according to UL  — usable for High Faults at 460/480 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA	<ul> <li>usable for High Faults at 460/480 V according</li> </ul>	21		
<ul> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta</li> <li>Type: Class RK5 / K5, max. 125 A; Iq = 100 kA</li> <li>Type: Class RK5 / K5, max. 125 A; Iq = 5 kA</li> </ul>		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
<ul> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta</li> </ul>		Siemens type: 3VA51, max. 60 A; lq max = 65 kA		
inside-delta circuit according to UL  • of the fuse  — usable for Standard Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for Standard Faults at inside-delta  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA  Type: Class RK5 / K5, max. 125 A; Iq = 100 kA  Type: Class RK5 / K5, max. 125 A; Iq = 5 kA		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta</li> <li>Type: Class RK5 / K5, max. 125 A; Iq = 5 kA</li> <li>Type: Class RK5 / K5, max. 125 A; Iq = 5 kA</li> </ul>	inside-delta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA		
<ul> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta</li> <li>Type: Class J / L, max. 125 A; Iq = 100 kA</li> <li>Type: Class RK5 / K5, max. 125 A; Iq = 5 kA</li> </ul>	— usable for Standard Faults up to 575/600 V	Type: Class RK5 / K5, max. 125 A; Iq = 5 kA		
— usable for Standard Faults at inside-delta   Type: Class RK5 / K5, max. 125 A; lq = 5 kA	— usable for High Faults up to 575/600 V	Type: Class J / L, max. 125 A; Iq = 100 kA		
	<u> </u>	Type: Class RK5 / K5, max. 125 A; Iq = 5 kA		

<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. 125 A; Iq = 100 kA	
operating power [hp] for 3-phase motors		
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	7.5 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 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>	15 hp	
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	30 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

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Confirmation

Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

## **Further information**

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=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

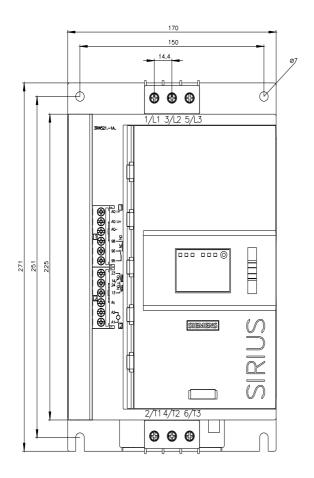
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC14/char

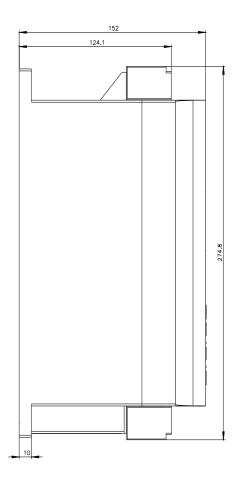
Characteristic: Installation altitude

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





last modified: 4/10/2022 🖸