# **SIEMENS**

3RW5235-6TC14 **Data sheet** 



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC Screw terminals Thermistor input

product category product designation	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>	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3244-6; 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>	3NE1227-0; 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>	3NE3334-0B; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component is supported	
HMI-Standard	Yes
HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	

for main current circuit	100 ms
for control circuit	100 ms
	600 V
insulation voltage rated value	3, acc. to IEC 60947-4-2
degree of pollution impulse voltage rated value	6 kV
	1 400 V
blocking voltage of the thyristor maximum service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	O NV
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category acc. to IEC 60947-4-2	AC 53a
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	15.02.2018 00:00:00
product function	10.02.2010 00.00.00
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
• Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
<ul> <li>torque control</li> </ul>	No
analog output	No
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	143 A
• at 50 °C rated value	128 A
at 60 °C rated value	118 A
operational current at inside-delta circuit	
• at 40 °C rated value	248 A
• at 50 °C rated value	222 A
at 60 °C rated value	204 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 inside-delta circuit at 40 °C rated value</li> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	37 kW 75 kW 75 kW 132 kW 50 Hz 60 Hz -10 % 10 %  68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	75 kW 132 kW 50 Hz 60 Hz -10 % 10 %  68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
at 400 V at inside-delta circuit at 40 °C rated value  Operating frequency 1 rated value  relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current  at rotary coding switch on switch position 1  at rotary coding switch on switch position 2  at rotary coding switch on switch position 3  at rotary coding switch on switch position 4  at rotary coding switch on switch position 5  at rotary coding switch on switch position 6  at rotary coding switch on switch position 7  at rotary coding switch on switch position 8  at rotary coding switch on switch position 9  at rotary coding switch on switch position 10  at rotary coding switch on switch position 11  at rotary coding switch on switch position 11	132 kW 50 Hz 60 Hz -10 % 10 %  68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
Operating frequency 1 rated value  Operating frequency 2 rated value  relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current  • at rotary coding switch on switch position 1 • at rotary coding switch on switch position 2 • at rotary coding switch on switch position 3 • at rotary coding switch on switch position 4 • at rotary coding switch on switch position 5 • at rotary coding switch on switch position 6 • at rotary coding switch on switch position 7 • at rotary coding switch on switch position 8 • at rotary coding switch on switch position 9 • at rotary coding switch on switch position 10 • at rotary coding switch on switch position 11 • at rotary coding switch on switch position 12	50 Hz 60 Hz -10 % 10 %  68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current  at rotary coding switch on switch position 1  at rotary coding switch on switch position 2  at rotary coding switch on switch position 3  at rotary coding switch on switch position 4  at rotary coding switch on switch position 5  at rotary coding switch on switch position 6  at rotary coding switch on switch position 7  at rotary coding switch on switch position 8  at rotary coding switch on switch position 9  at rotary coding switch on switch position 10  at rotary coding switch on switch position 11  at rotary coding switch on switch position 12	60 Hz -10 %  10 %  68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency adjustable motor current  at rotary coding switch on switch position 1 at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12	-10 %  68 A  73 A  78 A  83 A  88 A  93 A  98 A  103 A  108 A  113 A  118 A  123 A  128 A  133 A
relative positive tolerance of the operating frequency adjustable motor current  at rotary coding switch on switch position 1 at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 at rotary coding switch on switch position 6 at rotary coding switch on switch position 7 at rotary coding switch on switch position 8 at rotary coding switch on switch position 9 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12	10 %  68 A  73 A  78 A  83 A  88 A  93 A  98 A  103 A  108 A  113 A  118 A  123 A  128 A  133 A
<ul> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	68 A 73 A 78 A 83 A 88 A 93 A 98 A 103 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	73 A 78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	78 A 83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	83 A 88 A 93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	88 A 93 A 98 A 103 A 108 A 118 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	93 A 98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	98 A 103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 7</li> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	103 A 108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 8</li> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	108 A 113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 9</li> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	113 A 118 A 123 A 128 A 133 A
<ul> <li>at rotary coding switch on switch position 10</li> <li>at rotary coding switch on switch position 11</li> <li>at rotary coding switch on switch position 12</li> </ul>	113 A 118 A 123 A 128 A 133 A
<ul><li>at rotary coding switch on switch position 11</li><li>at rotary coding switch on switch position 12</li></ul>	118 A 123 A 128 A 133 A
at rotary coding switch on switch position 12	123 A 128 A 133 A 138 A
, ,	128 A 133 A 138 A
<ul> <li>at totally cooling switch on switch position 13</li> </ul>	133 A 138 A
<ul> <li>at rotary coding switch on switch position 13</li> <li>at rotary coding switch on switch position 14</li> </ul>	138 A
at rotary coding switch on switch position 15	
<ul> <li>at rotary coding switch on switch position 16</li> <li>minimum</li> </ul>	143 A 68 A
	00 A
adjustable motor current	440.4
for inside-delta circuit at rotary coding switch on switch position 1	118 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	126 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	135 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	144 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	152 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	178 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	187 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	196 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	204 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	213 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	222 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	239 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	248 A
at inside-delta circuit minimum	118 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	

<ul> <li>at 40 °C after startup</li> </ul>	55 W
<ul> <li>at 50 °C after startup</li> </ul>	50 W
at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	2 127 W
<ul> <li>at 50 °C during startup</li> </ul>	1 807 W
at 60 °C during startup	1 605 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	-15 %
voltage at AC at 50 Hz	
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 maximum	2.5 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	
number of digital inputs	1
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	0
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
• at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
	306 mm
height width	185 mm
depth	203 mm
required spacing with side-by-side mounting	200 111111
forwards	10 mm
<ul><li>forwards</li><li>backwards</li></ul>	0 mm
	0 mm 100 mm
• upwards	
downwards     at the side	75 mm
• at the side	5 mm
weight without packaging	6.6 kg

Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	screw-type terminals
width of connection bar maximum	25 mm
wire length for thermistor connection	
with conductor cross-section = 0.5 mm² maximum	50 m
with conductor cross-section = 1.5 mm² maximum	150 m
with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
for DIN cable lug for main contacts stranded	2x (16 95 mm²)
for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
for control circuit finely stranded with core end	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
processing	(o.oo ), (o.o )
<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m
tightening torque	
for main contacts with screw-type terminals	10 14 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	89 124 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf·in
terminals	
Ambient conditions	F.000 D. I'. 14000
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
<ul><li>during operation</li></ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	0 100 0
during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
uning operation acc. to IEO 00721	mist), 3S2 (sand must not get into the devices), 3M6
during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
-	not get inside the devices), 1M4
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
usable for High Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
<ul> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
<ul> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V	Siemens type: 3VA52, max. 250 A; Iq = 10 kA

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 Standard Faults at inside-delta circuit up to 575/600 V according to UL

— usable for High Faults at inside-delta circuit up to 575/600 V according to UL

Siemens type: 3VA52, max. 250 A; Iq = 10 kA

Type: Class RK5 / K5, max. 350 A; Iq = 10 kA

Type: Class J / L, max. 350 A; Iq = 100 kA

Type: Class RK5 / K5, max. 350 A; Iq = 10 kA

Type: Class J / L, max. 350 A; Iq = 100 kA

#### operating power [hp] for 3-phase motors

at 200/208 V at 50 °C rated value
at 220/230 V at 50 °C rated value

• at 460/480 V at 50 °C rated value

 at 200/208 V at inside-delta circuit at 50 °C rated value

• at 220/230 V at inside-delta circuit at 50 °C rated value

 at 460/480 V at inside-delta circuit at 50 °C rated value 40 hp

40 hp

100 hp

75 hp

75 hp

150 hp

contact rating of auxiliary contacts according to UL R300-B300

### Safety related data

protection class IP on the front acc. to IEC 60529

touch protection on the front acc. to IEC 60529

electromagnetic compatibility

IP00; IP20 with cover
finger-safe, for vertical contact from the front with cover
in accordance with IEC 60947-4-2

## Certificates/ approvals

### **General Product Approval**

**EMC** 

Declaration of Conformity













**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report











## 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=3RW5235-6TC14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5235-6TC14}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6TC14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5235-6TC14&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5235-6TC14&lang=en</a>

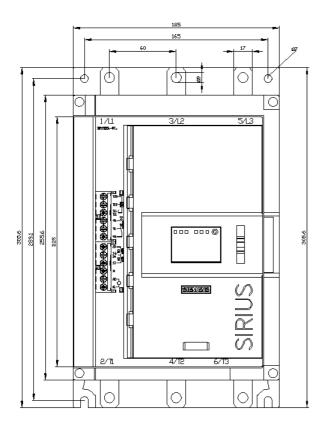
Characteristic: Tripping characteristics, I²t, Let-through current <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6TC14/char">https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6TC14/char</a>

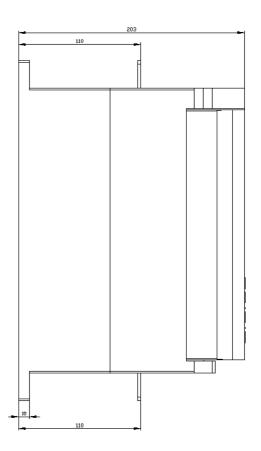
Characteristic: Installation altitude

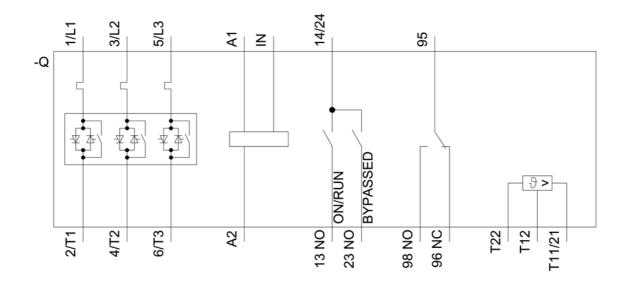
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-6TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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