# **SIEMENS**

product brand name

Data sheet 3RW5244-2TC14

SIRIUS



SIRIUS soft starter 200-480 V 250 A, 110-250 V AC spring-type terminals Thermistor input

•	
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>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3354-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3354-6; 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>	3NE1331-0; 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>	3NE3336; Type of coordination 2, Iq = 65 kA
General 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> <li>UL approval</li> </ul>	Yes
CSA approval	Yes
product component is supported	
HMI-Standard	Yes

• HMI-High Feature

product feature integrated bypass contact system

Yes

Yes

number of controlled phases	2
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	400
for main current circuit	100 ms
• for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	000 1/
between main and auxiliary circuit     shock resistance	600 V
	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz AC 53a
utilization category acc. to IEC 60947-4-2	Q Q
	15.02.2018 00:00:00
Substance Prohibitance (Date)	15.02.2010 00.00.00
product function  • ramp-up (soft starting)	Yes
	Yes
<ul><li>ramp-down (soft stop)</li><li>Soft Torque</li></ul>	Yes
adjustable current limitation	Yes
pump ramp down	Yes
	Yes
intrinsic device protection     meter everland protection	
<ul> <li>motor overload protection</li> </ul>	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
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	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
• firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
torque control	No
analog output	No
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	250 A
at 50 °C rated value	220 A
at 60 °C rated value	200 A
operational current at inside-delta circuit	
• at 40 °C rated value	433 A
at 50 °C rated value	381 A
at 60 °C rated value	346 A
operating voltage	
rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %

relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	75 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	132 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	132 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	250 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	100 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	110 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	120 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	130 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	140 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	150 A
at rotary coding switch on switch position 7	160 A
at rotary coding switch on switch position 8	170 A
at rotary coding switch on switch position 9	180 A
at rotary coding switch on switch position 10	190 A
at rotary coding switch on switch position 11	200 A
at rotary coding switch on switch position 12	210 A
at rotary coding switch on switch position 13	220 A
at rotary coding switch on switch position 14	230 A
at rotary coding switch on switch position 15	240 A
at rotary coding switch on switch position 16	250 A
• minimum	100 A
adjustable motor current	
for inside-delta circuit at rotary coding switch on switch position 1	173 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	191 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	208 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	225 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	242 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	260 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	277 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	294 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 9</li> </ul>	312 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> </ul>	329 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 11</li> </ul>	346 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 12</li> </ul>	364 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	381 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	398 A
for inside-delta circuit at rotary coding switch on switch position 15	416 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	433 A

• at inside-delta circuit minimum  minimum load [%]  power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 60 °C after startup  • at 50 °C during startup  • at 40 °C during startup  • at 60 °C during startup  • at 50 Hz  control supply voltage at AC  • at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  control supply voltage frequency  50 60 Hz	
power loss [W] for rated value of the current at AC  • at 40 °C after startup  • at 50 °C after startup  • at 60 °C after startup  power loss [W] at AC at current limitation 350 %  • at 40 °C during startup  • at 50 °C during startup  • at 60 °C during startup  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz  • at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
at 40 °C after startup at 50 °C after startup at 60 °C after startup  eat 60 °C after startup  power loss [W] at AC at current limitation 350 %  at 40 °C during startup at 50 °C during startup at 60 °C during startup  control circuit/ Control  type of voltage of the control supply voltage control supply voltage at AC at 50 Hz at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
at 50 °C after startup  at 60 °C after startup  power loss [W] at AC at current limitation 350 %  at 40 °C during startup  at 50 °C during startup  at 60 °C during startup  at 60 °C during startup  at 60 °C during startup  2 799 W  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz  at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
• at 60 °C after startup  power loss [W] at AC at current limitation 350 %  • at 40 °C during startup  • at 50 °C during startup  • at 60 °C during startup  2 799 W  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz  • at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
<ul> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>2 799 W</li> </ul> Control circuit/ Control type of voltage of the control supply voltage <ul> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>110 250 V</li> <li>at 60 Hz</li> <li>110 250 V</li> </ul> relative negative tolerance of the control supply voltage at AC at 50 Hz <ul> <li>relative positive tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative negative tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative positive tolerance of the control supply voltage at AC at 60 Hz</li> <li>relative positive tolerance of the control supply voltage at AC at 60 Hz</li> </ul>	
<ul> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>2 799 W</li> </ul> Control circuit/ Control type of voltage of the control supply voltage <ul> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>110 250 V</li> </ul> relative negative tolerance of the control supply voltage at AC at 50 Hz <ul> <li>relative positive tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative negative tolerance of the control supply voltage at AC at 50 Hz</li> </ul> relative positive tolerance of the control supply voltage at AC at 60 Hz <ul> <li>10 %</li> <li>10 %</li> </ul> relative positive tolerance of the control supply voltage at AC at 60 Hz <ul> <li>10 %</li> </ul> relative positive tolerance of the control supply voltage at AC at 60 Hz <ul> <li>10 %</li> </ul> relative positive tolerance of the control supply voltage at AC at 60 Hz <ul> <li>10 %</li> </ul>	
at 60 °C during startup  Control circuit/ Control  type of voltage of the control supply voltage  control supply voltage at AC      at 50 Hz     at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz  • at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
type of voltage of the control supply voltage  control supply voltage at AC  • at 50 Hz  • at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  110 250 V  -15 %  10 %	
control supply voltage at AC  • at 50 Hz  • at 60 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
control supply voltage at AC          • at 50 Hz         • at 60 Hz	
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>110 250 V</li> <li>relative negative tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative positive tolerance of the control supply voltage at AC at 50 Hz</li> <li>relative negative tolerance of the control supply voltage at AC at 60 Hz</li> <li>relative positive tolerance of the control supply voltage at AC at 60 Hz</li> <li>10 %</li> <li>10 %</li> <li>10 %</li> </ul>	
relative negative tolerance of the control supply voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz	
voltage at AC at 50 Hz  relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  10 %  10 %	
voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  10 %	
relative positive tolerance of the control supply voltage at AC at 60 Hz  10 %	
voltage at AC at 60 Hz	
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	
control supply current in standby mode rated value 30 mA	
holding current in bypass operation rated value 100 mA	
locked-rotor current at close of bypass contact 2.2 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 m circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= inot 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 most surface +/- 22.5° tiltable to the front and back	unting
fastening method screw fixing	
height 393 mm	
width 210 mm	
depth 203 mm	
required spacing with side-by-side mounting	
• forwards 10 mm	
• backwards 0 mm	
• upwards 100 mm	

• downwards	75 mm
at the side	5 mm
weight without packaging	9.9 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	spring-loaded terminals
width of connection bar maximum	45 mm
wire length for thermistor connection	
<ul> <li>with conductor cross-section = 0.5 mm² maximum</li> </ul>	50 m
<ul> <li>with conductor cross-section = 1.5 mm² maximum</li> </ul>	150 m
• with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)
at AWG cables for control circuit finely stranded with core end processing	2x (24 16)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
at the digital inputs at AC maximum	100 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m
for auxiliary and control contacts with screw-type terminals	0.8 1.2 N·m
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	124 210 lbf·in
for auxiliary and control contacts with screw-type terminals	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
• during storage 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	
<ul> <li>PROFINET standard</li> </ul>	Yes
• EtherNet/IP	Yes
<ul> <li>Modbus RTU</li> </ul>	Yes
<ul><li>Modbus TCP</li></ul>	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
— usable for Standard Faults at 460/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA

— 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  $\ensuremath{\mathsf{UL}}$ 

— 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 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: 3VA54, max. 600 A; Iq = 18 kA

Siemens type: 3VA54, max. 600 A; Iq max = 65 kA

Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA

Siemens type: 3VA54, max. 600 A; Iq = 18 kA

Type: Class J / L, max. 800 A; Iq = 18 kA

Type: Class J / L, max. 800 A; Iq = 100 kA

Type: Class J / L, max. 800 A; Iq = 18 kA

Type: Class J / L, max. 800 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

 $\bullet$  at 200/208 V at inside-delta circuit at 50  $^{\circ}\text{C}$  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

60 hp

75 hp 150 hp

125 hp

150 hp

300 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,...) <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5244-2TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-2TC14

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2TC14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RW5244-2TC14&lang=en

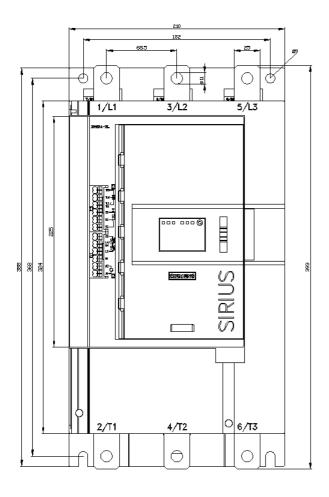
Characteristic: Tripping characteristics, I²t, Let-through current <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2TC14/char">https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2TC14/char</a>

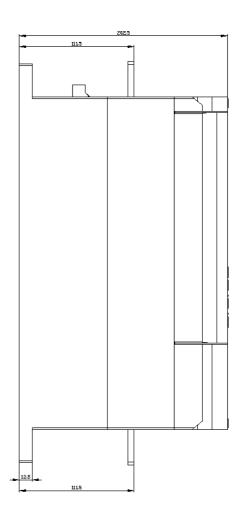
Characteristic: Installation altitude

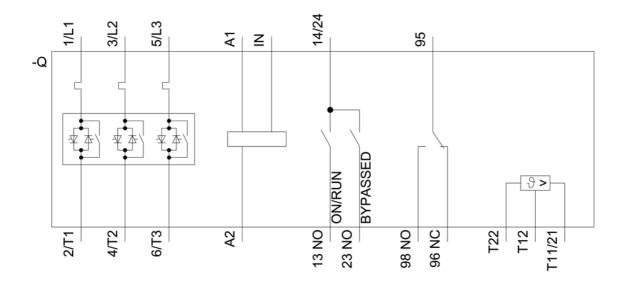
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5244-2TC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 12/15/2020 🖸