# **SIEMENS**

Data sheet 3RW5244-6AC04



SIRIUS soft starter 200-480 V 250 A, 24 V AC/DC 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>	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	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
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	
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	
• 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 Clarkenia make avade ad anakating
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     via gefturere persentaringhile	Yes; Only in conjunction with special accessories
via software parameterizable      via software configurable	No Voe
via software configurable     PROFlement	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
removable terminal for control circuit	Yes
torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
	HMI)
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	250 A
<ul> <li>at 50 °C rated value</li> </ul>	220 A
at 60 °C rated value	200 A
operational current at inside-delta circuit	
<ul> <li>at 40 °C rated value</li> </ul>	433 A
<ul> <li>at 50 °C rated value</li> </ul>	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	
at 230 V at 40 °C rated value	75 kW

at 220 V at incide dalta sinovit at 40 °C rated value	400 140
<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> </ul>	132 kW
	132 kW
at 400 V at inside-delta circuit at 40 °C rated value  Operating frequency 4 rated value.	250 kW 50 Hz
Operating frequency 1 rated value Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative negative tolerance of the operating frequency	10 %
adjustable motor current	10 70
at rotary coding switch on switch position 1	100 A
at rotary coding switch on switch position 2	110 A
at rotary coding switch on switch position 3     at rotary coding switch on switch position 3	120 A
at rotary coding switch on switch position 4	130 A
at rotary coding switch on switch position 5	140 A
at rotary coding switch on switch position 6      at rotary coding switch on switch position 6	150 A
at rotary coding switch on switch position 7      at rotary coding switch on switch position 7	160 A
at rotary coding switch on switch position 8     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     at rotary coding switch on switch position 10	190 A
at rotary coding switch on switch position 10     at rotary coding switch on switch position 11	200 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 12	210 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 13	220 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 14	230 A
at rotary coding switch on switch position 14     at rotary coding switch on switch position 15	240 A
at rotary coding switch on switch position 16     at rotary coding switch on switch position 16	250 A
minimum	100 A
adjustable motor current	100 A
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
for inside-delta circuit at rotary coding switch on switch position 9     for inside delta circuit at rotary coding switch on	312 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	329 A 346 A
switch position 11     for inside-delta circuit at rotary coding switch on	364 A
switch position 12  • for inside-delta circuit at rotary coding switch on	381 A
switch position 13  • for inside-delta circuit at rotary coding switch on	398 A
switch position 14 • for inside-delta circuit at rotary coding switch on	416 A
<ul> <li>switch position 15</li> <li>for inside-delta circuit at rotary coding switch on</li> </ul>	433 A
switch position 16	470 A
at inside-delta circuit minimum	173 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	87 W
<ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> </ul>	87 W 78 W
at 50 °C after startup      at 60 °C after startup	78 W
■ at ou C after Startup	I Z VV

power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	3 818 W
<ul> <li>at 50 °C during startup</li> </ul>	3 188 W
<ul> <li>at 60 °C during startup</li> </ul>	2 799 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply	-20 %
voltage at AC at 50 Hz	
relative positive tolerance of the control supply	20 %
voltage at AC at 50 Hz	
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply	-10 %
voltage frequency	
relative positive tolerance of the control supply	10 %
voltage frequency	
control supply voltage	
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	470 mA
locked-rotor current at close of bypass contact	7.6 A
maximum	
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of inputs for thermistor connection	0
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
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	
	with vortical mounting surface ±/ 00° rotatable, with vortical mounting
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	393 mm
width	210 mm
depth	203 mm
required spacing with side-by-side mounting	
<ul><li>forwards</li></ul>	10 mm
<ul><li>backwards</li></ul>	0 mm
• upwards	100 mm
• downwards	75 mm
• at the side	5 mm

weight without packaging         Connections/ Terminals         type of electrical connection       busbar connection         • for control circuit       busbar connection         • for control circuit       screw-type terminals         width of connection bar maximum       45 mm         type of connectable conductor cross-sections       2x (50 240 mm²)         • for DIN cable lug for main contacts finely stranded       2x (70 240 mm²)         type of connectable conductor cross-sections       1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         • for control circuit solid       1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         • for control circuit finely stranded with core end processing       1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)         • at AWG cables for control circuit solid       1x (20 12), 2x (20 14)         wire length       800 m         • at the digital inputs at AC maximum       100 m         • at the digital inputs at DC maximum       1 000 m         tightening torque       14 24 N·m         • for auxiliary and control contacts with screw-type       0.8 1.2 N·m	
type of electrical connection  • for main current circuit  • for control circuit  width of connection bar maximum  type of connectable conductor cross-sections  • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded  type of connectable conductor cross-sections  • for control circuit solid  • for control circuit solid  • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid  • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at DC maximum  • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type   busbar connection  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection  screw-type terminals  busbar connection	
<ul> <li>for main current circuit</li> <li>for control circuit</li> <li>width of connection bar maximum</li> <li>type of connectable conductor cross-sections</li> <li>for DIN cable lug for main contacts stranded</li> <li>for DIN cable lug for main contacts finely stranded</li> <li>for control circuit solid</li> <li>for control circuit solid</li> <li>for control circuit finely stranded with core end processing</li> <li>at AWG cables for control circuit solid</li> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>busbar connection</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>screw-type terminals</li> <li>uscrew-type terminals</li> <li< td=""><td></td></li<></ul>	
width of connection bar maximum       45 mm         type of connectable conductor cross-sections       2x (50 240 mm²)         • for DIN cable lug for main contacts finely stranded       2x (70 240 mm²)         type of connectable conductor cross-sections       1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         • for control circuit solid       1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)         • for control circuit finely stranded with core end processing       1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)         • at AWG cables for control circuit solid       1x (20 12), 2x (20 14)         wire length       800 m         • at the digital inputs at AC maximum       100 m         • at the digital inputs at DC maximum       1 000 m         tightening torque       for main contacts with screw-type terminals       14 24 N·m         • for auxiliary and control contacts with screw-type       0.8 1.2 N·m	
type of connectable conductor cross-sections  • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded  type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid  **Ix (0.5 4.0 mm²), 2x (0.5 2.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  1x (20 12), 2x (20 14)  **Ix (20 12), 2x (20 14)	
<ul> <li>for DIN cable lug for main contacts stranded</li> <li>for DIN cable lug for main contacts finely stranded</li> <li>for DIN cable lug for main contacts finely stranded</li> <li>type of connectable conductor cross-sections</li> <li>for control circuit solid</li> <li>for control circuit finely stranded with core end processing</li> <li>at AWG cables for control circuit solid</li> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>for nauximan contacts with screw-type</li> <li>for auxiliary and control contacts with screw-type</li> </ul>	
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type of connectable conductor cross-sections  • for control circuit solid  • for control circuit finely stranded with core end processing  • at AWG cables for control circuit solid  wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  • at the digital inputs at DC maximum  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)  1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)  1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)  1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)	
<ul> <li>for control circuit solid</li> <li>for control circuit finely stranded with core end processing</li> <li>at AWG cables for control circuit solid</li> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>at the digital inputs at DC maximum</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>1x (0.5 4.0 mm²), 2x (0.5 1.5 mm²)</li> <li>1x (20 12), 2x (20 14)</li> <li>800 m</li> <li>100 m</li> <li>1000 m</li> <li>14 24 N·m</li> <li>0.8 1.2 N·m</li> </ul>	
<ul> <li>for control circuit finely stranded with core end processing</li> <li>at AWG cables for control circuit solid</li> <li>tx (20 12), 2x (20 14)</li> <li>wire length</li> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>1x (20 12), 2x (20 14)</li> <li>800 m</li> <li>1000 m</li> <li>1 000 m</li> <li>1 4 24 N·m</li> <li>0.8 1.2 N·m</li> </ul>	
processing  • at AWG cables for control circuit solid  wire length  • between soft starter and motor maximum  • at the digital inputs at AC maximum  • at the digital inputs at DC maximum  • at the digital inputs at DC maximum  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  1 x (20 12), 2x (20 14)  800 m  100 m  1000 m	
<ul> <li>at AWG cables for control circuit solid</li> <li>wire length</li> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>1x (20 12), 2x (20 14)</li> <li>800 m</li> <li>100 m</li> <li>1000 m</li> <li>14 24 N·m</li> <li>0.8 1.2 N·m</li> </ul>	
wire length	
<ul> <li>between soft starter and motor maximum</li> <li>at the digital inputs at AC maximum</li> <li>at the digital inputs at DC maximum</li> <li>1000 m</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>0.8 1.2 N·m</li> </ul>	
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<ul> <li>at the digital inputs at DC maximum</li> <li>tightening torque</li> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>14 24 N·m</li> <li>0.8 1.2 N·m</li> </ul>	
tightening torque  • for main contacts with screw-type terminals  • for auxiliary and control contacts with screw-type  14 24 N⋅m  0.8 1.2 N⋅m	
<ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary and control contacts with screw-type</li> <li>14 24 N⋅m</li> <li>0.8 1.2 N⋅m</li> </ul>	
• for auxiliary and control contacts with screw-type 0.8 1.2 N·m	
terminals	
tightening torque [lbf·in]	
• for main contacts with screw-type terminals 124 210 lbf·in	
• for auxiliary and control contacts with screw-type 7 10.3 lbf-in	
terminals	
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 4	10 °C or
above	
• during storage and transport  -40 +80 °C	
environmental category	(no oolt
<ul> <li>during operation acc. to IEC 60721</li> <li>3K6 (no ice formation, only occasional condensation), 3C3 mist), 3S2 (sand must not get into the devices), 3M6</li> </ul>	(no sait
• during storage acc. to IEC 60721 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2	2 (sand must
not get inside the devices), 1M4	(33
• 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	
— usable for Standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 600 A; leader of the standard Faults at 460/480 V Siemens type: 3VA54, max. 600 A; leader of the standard Faults A; leader of the	q = 18 kA
— usable for High Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 400 A or 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 600 A; In the National Siemens type: 3VA54, max. 600 A; In the Nation	q max = 65
— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL  Siemens type: 3VA54, max. 600 A; Iq = 18 kA	
— usable for High Faults at 460/480 V at insidedelta circuit according to UL  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA	
— usable for Standard Faults at 575/600 V Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; leader of the standard Faults at 575/600 V according to UL	q = 18 kA
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>of the fuse</li> <li>Siemens type: 3VA54, max. 600 A; Iq = 18 kA</li> </ul>	

- usable for Standard Faults up to 575/600 V Type: Class J / L, max. 800 A; Iq = 18 kA according to UL — usable for High Faults up to 575/600 V Type: Class J / L, max. 800 A; Iq = 100 kA according to UL - usable for Standard Faults at inside-delta Type: Class J / L, max. 800 A; Iq = 18 kA circuit up to 575/600 V according to UL - usable for High Faults at inside-delta circuit up Type: Class J / L, max. 800 A; Iq = 100 kA to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 60 hp at 220/230 V at 50 °C rated value 75 hp • at 460/480 V at 50 °C rated value 150 hp • at 200/208 V at inside-delta circuit at 50 °C rated 125 hp value at 220/230 V at inside-delta circuit at 50 °C rated 150 hp value • at 460/480 V at inside-delta circuit at 50 °C rated 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 IP00; IP20 with cover touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front with cover electromagnetic compatibility 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=3RW5244-6AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-6AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5244-6AC04&lang=en

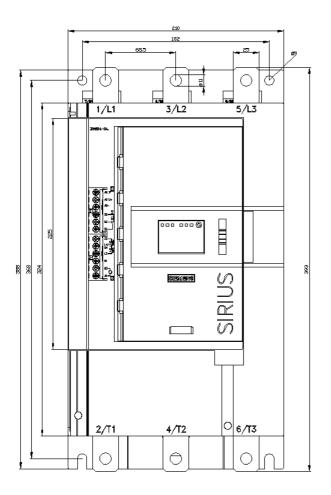
Characteristic: Tripping characteristics, I²t, Let-through current https://gupport.industry.gigmens.com/cs/ww/gp/ps/3PW5244-6AC04

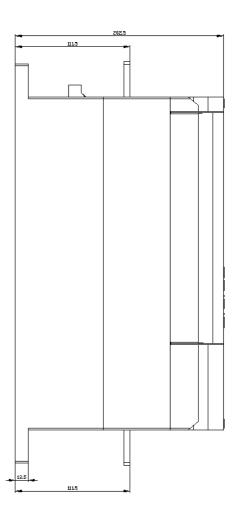
https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-6AC04/char

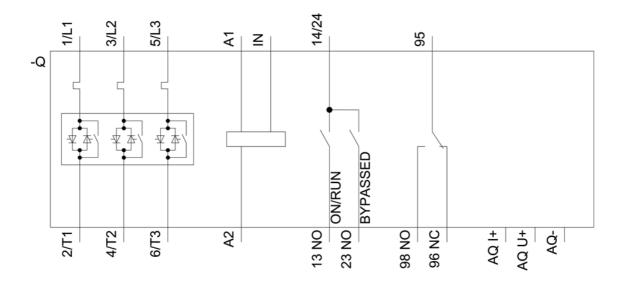
Characteristic: Installation altitude

 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5244-6AC04\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)







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