## **SIEMENS**

product brand name product category

Data sheet 3RW5244-2AC04

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-480 V 250 A, 24 V AC/DC spring-type terminals Analog output

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	
• of circuit breaker usable at 400 V at inside-delta circuit	3VA2450-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
• of circuit breaker usable at 500 V at inside-delta circuit	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, lq = 65 kA	
• of the gG fuse usable at inside-delta circuit up to 500 V	2x3NA3354-6; Type of coordination 1, lq = 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	
eneral 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 approval	Yes	
CSA approval	Yes	
product component		
HMI-High Feature	No	
• is supported HMI-Standard	Yes	
• is supported 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 main current circuit		

inculation voltage rated value	600 V		
insulation voltage rated value degree of pollution			
impulse voltage rated value	3, acc. to IEC 60947-4-2 6 kV		
	1 600 V		
blocking voltage of the thyristor maximum	1		
service factor	6 kV		
surge voltage resistance rated value	O KV		
maximum permissible voltage for protective separation	600 V		
between main and auxiliary circuit			
shock resistance vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting		
	15 mm to 6 Hz; 2g to 500 Hz		
utilization category according to IEC 60947-4-2	AC 53a Q		
reference code according to IEC 81346-2	02/15/2018		
Substance Prohibitance (Date)	02/13/2016		
product function	Voc		
• ramp-up (soft starting)	Yes Yes		
• ramp-down (soft stop)	Yes		
Soft Torque			
adjustable current limitation     number and down	Yes Yes		
pump ramp down     intrinsic dovice protection			
intrinsic device protection     meter everland protection	Yes		
motor overload protection     ovaluation of thermister meter protection	Yes; Electronic motor overload protection		
evaluation of thermistor motor protection     incide delta circuit	No Voc		
• inside-delta circuit	Yes		
auto-RESET	Yes Yes		
manual RESET			
• 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 aeftyrara parameterizabla	Yes; Only in conjunction with special accessories  No		
<ul> <li>via software parameterizable</li> <li>via software configurable</li> </ul>	Yes		
<u> </u>			
PROFlenergy     firmware update	Yes; in connection with the PROFINET Standard communication module 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	103, 4 20 IIIA (deladit) 7 0 10 V (parameterizable with high reduce hivin)		
operational current			
at 40 °C rated value	250 A		
at 50 °C rated value      at 50 °C rated value	220 A		
at 60 °C rated value      at 60 °C rated value	200 A		
operational current at inside-delta circuit	20071		
• at 40 °C rated value	433 A		
• at 50 °C rated value	381 A		
at 60 °C rated value     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	-15 %		
inside-delta circuit  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 230 V at 40 C rated value     at 230 V at inside-delta circuit at 40 °C rated value	132 kW		
• at 400 V at 40 °C rated value	132 kW		
at 400 V at 40 C lated value     at 400 V at inside-delta circuit at 40 °C rated value	250 kW		
Operating frequency 1 rated value	50 Hz		
Operating frequency 2 rated value	60 Hz		
LINGUATION TROUIDDON / PSTON VAIIIO	OU IIZ		

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	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
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	160 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	170 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	180 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	190 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	200 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	210 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	220 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	240 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	250 A
• minimum	100 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	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
for inside-delta circuit at rotary coding switch on switch position 7      for inside delta circuit at rotary coding switch on switch position 7	277 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	294 A 312 A
position 9  • for inside-delta circuit at rotary coding switch on switch	329 A
position 10  • for inside-delta circuit at rotary coding switch on switch	346 A
position 11  • for inside-delta circuit at rotary coding switch on switch	364 A
position 12 • for inside-delta circuit at rotary coding switch on switch	381 A
position 13 • for inside-delta circuit at rotary coding switch on switch	398 A
position 14 • for inside-delta circuit at rotary coding switch on switch	416 A
for inside-delta circuit at rotary coding switch on switch	433 A
position 16	472 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	07.10/
• at 40 °C after startup	87 W
at 50 °C after startup	78 W
at 60 °C after startup	72 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	3 818 W
at 50 °C during startup	3 188 W
at 60 °C during startup	2 799 W
ontrol circuit/ Control	

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 voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
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 voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
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
inrush current by closing the bypass contacts maximum	7.6 A
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
nputs/ Outputs	
number of digital inputs	1
number of digital inputs	
number of digital outputs	3
number of digital outputs	3
number of digital outputs  • not parameterizable	3 2
number of digital outputs  • not parameterizable  digital output version  number of analog outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
number of digital outputs  • not parameterizable  digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
number of digital 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 nstallation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
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 stallation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface
number of digital 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 nstallation/ mounting/ dimensions mounting position	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value installation/ mounting/ dimensions mounting position fastening method	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs  • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value installation/ mounting/ dimensions mounting position  fastening method height	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm
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 nstallation/ mounting/ dimensions mounting position fastening method height width	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 393 mm 210 mm
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	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 393 mm 210 mm
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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  393 mm  210 mm  203 mm
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 nstallation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1  3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
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 nstallation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	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 393 mm 210 mm 203 mm  10 mm 0 mm
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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm
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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	2 2 normally-open contacts (NO) / 1 changeover contact (CO)  1 3 A 1 A  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm
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	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  393 mm  210 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm
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 nstallation/ 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	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  393 mm  210 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm
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 nstallation/ 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	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  393 mm  210 mm  203 mm  10 mm  0 mm  100 mm  75 mm  5 mm
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 nstallation/ 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	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
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 nstallation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging connections/ Terminals type of electrical connection • for main current circuit	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
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 nstallation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side  weight without packaging connections/ Terminals  type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
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 nstallation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for control circuit • for connection bar maximum type of connectable conductor cross-sections	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg
number of digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position  fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side  weight without packaging Connections/ Terminals  type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	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 393 mm 210 mm 203 mm  10 mm 0 mm 100 mm 75 mm 5 mm 9.9 kg

type of connectable conductor cross-sections			
for control circuit solid	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>for AWG cables for control circuit solid</li> </ul>	2x (24 16)		
<ul> <li>for AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)		
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		
at the digital inputs at DC maximum	1 000 m		
tightening torque			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	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		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	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			
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
<ul> <li>during storage according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
<ul> <li>during transport according to IEC 60721</li> </ul>	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		
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: 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		
<ul> <li>usable for Standard Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq = 18 kA		
<ul> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA		
<ul> <li>usable for Standard Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq = 18 kA		
<ul> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V</li> </ul>	Type: Class J / L, max. 800 A; Iq = 18 kA		
according to UL  — usable for High Faults up to 575/600 V according to	Type: Class J / L, max. 800 A; Iq = 100 kA		
UL			
usable for Standard Faults at inside-delta circuit up	Type: Class J / L, max. 800 A; Iq = 18 kA		
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to</li> </ul>	Type: Class J / L, max. 800 A; Iq = 18 kA  Type: Class J / L, max. 800 A; Iq = 100 kA		
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </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  operating power [hp] for 3-phase motors	Type: Class J / L, max. 800 A; Iq = 100 kA		
— 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  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value	Type: Class J / L, max. 800 A; Iq = 100 kA		
— 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  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	Type: Class J / L, max. 800 A; Iq = 100 kA  60 hp 75 hp		
— 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  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value	Type: Class J / L, max. 800 A; Iq = 100 kA		

in accordance with IEC 60947-4-2				
finger-safe, for vertical contact from the front with cover				
IP00; IP20 with cover				
Safety related data				
R300-B300				
300 hp				
150 hp				
	300 hp R300-B300  IP00; IP20 with cover finger-safe, for vertical contact from the front with cover			





Confirmation







**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



Confirmation

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-busines

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3RW5244-2AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-2AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2AC04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5244-2AC04&lang=en

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2AC04/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5244-2AC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







