SIEMENS

product brand name

3RW5244-2TC04 **Data sheet**

SIRIUS



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

product Static flamo			
product category	Hybrid switching devices		
product designation	Soft starter		
product type designation	3RW52		
manufacturer's article number			
of standard HMI module usable	3RW5980-0HS00		
of high feature HMI module usable	3RW5980-0HF00		
 of communication module PROFINET standard usable 	3RW5980-0CS00		
 of communication module PROFIBUS usable 	3RW5980-0CP00		
 of communication module Modbus TCP usable 	3RW5980-0CT00		
 of communication module Modbus RTU usable 	3RW5980-0CR00		
 of communication module Ethernet/IP 	3RW5980-0CE00		
 of circuit breaker usable at 400 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
• of circuit breaker usable at 500 V	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, lq = 65 kA, CLASS 10		
• of the gG fuse usable up to 690 V	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
• of the gG fuse usable at inside-delta circuit up to 500 V	2x3NA3354-6; Type of coordination 1, Iq = 65 kA		
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1331-0; Type of coordination 2, Iq = 65 kA		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	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 control circuit	100 ms		

Institution	includation welfano nated welve	000.1/		
Imputs ovoltage rated value Bob Ovo	insulation voltage rated value	600 V		
surge voltage resistance rated value 6 kV warge voltage resistance rated value 6 kV wargenemissible voltage for protective separation 500 V shock resistance 15 g/ 11 ms, from 12 g / 11 ms with potential contact litting vibration resistance 15 mm to 6 Hz; 2g to 500 Hz uitization category according to IEC 61547-42 AC 55a orference code according to IEC 61548-62 Q Substance Prohibitance (Date) 02*52018 * rampud (soft starting) Yes * rampud (soft starting) Yes * soll Torque Yes * soll torque (soll starting) Yes * soll torque (soll starting) <t< th=""><th></th><th colspan="3"></th></t<>				
surger voltage resistance rated value 6kV maximum permissible voltage for protective separation 6b00 V shock resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration calegory according to IEC 60047-4-2 AC 58a Substance Prohibitance (Date) O2/15 2018 reference code according to IEC 81346-2 Q e ramp-up (soit starting) Yes * ramp-down (soft stop) Yes * Soft Trong Yes * sould internal limitation Yes * sould internal code current limitation Yes * pump ramp down Yes * internal code control of themistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of themistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of themistor motor protection Yes, Full motor protection (themistor motor protection and electronic motor overload protection) Yes * a manual RESET Yes Yes Per Tor Klixon / Themoslock * a r				
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Shock resistance				
ubitization resistance 18 mm to 6 Hz, 2g to 500 Hz unitization realsgory according to IEC 61944-2 AC 53a Substance Prohibitance (Date) 20/15/2018 product function Yes - ramp-down (soft starting) Yes - soft Torque Yes - soll forque Yes - soll forque Yes - soll stable current limitation Yes - pump ramp down Yes - initial stable current limitation Yes - evaluation of themistor motor protection Yes Yes Yes Yes Yes </th <th>·</th> <th></th>	·			
unitability of interest code according to IEC 8034-6.2 Q Substance Prohibitance (Date) Q2/15/2018 r amp-type (soft starting) Yes * ramp-type (soft starting) Yes * Soft Torque Yes * Soft Torque Yes * adjustable current limitation Yes * pump ramp down Yes * intinsic device protection Yes * evaluation of thermistor motor protection Yes, Full motor protection (thermistor motor protection and electronic motor overload protection) * evaluation of thermistor motor protection Yes, Type A PTO or Risson / Thermoclick * inside-defical crout! Yes * a unor-RESET Yes * emote reset Yes * communication function Yes * land (P				
reference code according to IEC 81346-2 Substance Prohibitance (Date) ramp-up (soft starting)				
Substance Prohibitance (Date) 02/15/2018				
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• ramp-up (soft starting) • ramp-down (stop) • soft Torque • soft Torque • adjustable current limitation • pump ramp down • pump ramp down • intrinsic device protection • ramp down • evaluation of thermistor motor protection • evaluation of the control of the cont	·	02/15/2018		
• ramp-down (soft stop) • Soft Torque • Soft Torque • adjustable current limitation • pump ramp down • pump ramp down • intrinsic device protection • evaluation of thermistor motor protection overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation of thermistor motor protection motor overhade protection; • evaluation function • evaluation function • peraling measured value (asplay) • evaluation function • evaluation function • evaluation function • evaluation function function • evaluation function • evaluation function function • evaluation function function • evaluation function • evaluation function with special accessories • evaluation of the protection function with special accessories • evaluation of the protection function • evaluation function with special accessories	•			
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* adjustable current limitation * purp ramp down * purp ramp down * intrinsic device protection * motor overload protection * motor overload protection * evaluation of thermistor motor protection * inside-detal circuit * inside-detal circuit * auto-RESET * ves * annual RESET * emanual RESET * emonual RESET * emonual reset * communication function * operating measured value display * ever of logbook * ever of logbook * ves; Only in conjunction with special accessories * error of logbook * via software parameterizable * via control parameterizable				
pump ramp down Intrinsic device protection Intrinsic device protection Inside delta circuit Intrinsic device protection Inside delta circuit Intrinsic delta circuit rated value Intrinsic delta circuit rated va	Soft Torque			
Intrinsic device protection Tomotor overload protection Tomotor overload protection Towors overload protection overload protection overload protection of thermistor motor protection and electronic motor overload protection) Towors overload protection overload protectio	•			
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auto-RESET manual RESET remote reset communication function operating measured value display error logbook via software parameterizable via software configurable via software configurable removable terminal for control circuit removable terminal for control circuit ves ves ves ves ves ves ves ve	 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick		
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error logbook via software parameterizable via software parameterizable via software configurable via software configurable ves PROFlenergy Yes; in connection with the PROFINET Standard communication module firmware update removable terminal for control circuit ves removable terminal for control circuit vos analog output No Power Electronics Operational current at 40 °C rated value at 60 °C rated value	 communication function 	Yes		
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operating voltage • rated value • at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value	 at 50 °C rated value 	381 A		
 rated value at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value 50 kW Operating frequency 1 rated value 50 Hz	• at 60 °C rated value	346 A		
■ at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors ■ at 230 V at 40 °C rated value ■ at 230 V at inside-delta circuit at 40 °C rated value ■ at 400 V at 40 °C rated value ■ at 400 V at inside-delta circuit at 40 °C rated value ● at 400 V at inside-delta circuit at 40 °C rated value ● at 400 V at inside-delta circuit at 40 °C rated value ● at 400 V at inside-delta circuit at 40 °C rated value ● at 400 V at inside-delta circuit at 40 °C rated value ● at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value 50 Hz	operating voltage			
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 50 KW	• rated value	200 480 V		
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 50 Hz	at inside-delta circuit rated value	200 480 V		
relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value	relative negative tolerance of the operating voltage	-15 %		
relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value 50 Hz	relative positive tolerance of the operating voltage	10 %		
inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value • at 400 V at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value • at 400 V at inside-delta circuit at 40 °C rated value 50 Hz		-15 %		
 at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz 		10 %		
 at 230 V at 40 °C rated value at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz 	operating power for 3-phase motors			
 at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value 50 Hz 		75 kW		
• at 400 V at inside-delta circuit at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz		132 kW		
Operating frequency 1 rated value 50 Hz	• at 400 V at 40 °C rated value	132 kW		
Operating frequency 1 rated value 50 Hz	• at 400 V at inside-delta circuit at 40 °C rated value	250 kW		
		50 Hz		
		60 Hz		

relative negative tolerance of the operating frequency	-10 % -10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
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 	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 	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
 for inside-delta circuit at rotary coding switch on switch position 2 	191 A
 for inside-delta circuit at rotary coding switch on switch position 3 	208 A
for inside-delta circuit at rotary coding switch on switch position 4	225 A
for inside-delta circuit at rotary coding switch on switch position 5 for inside delta circuit at rotary coding switch on switch position 5	242 A
for inside-delta circuit at rotary coding switch on switch position 6 for inside delta circuit at rotary coding switch on switch as a switch on switch as a switch on switch as a switch on switch o	260 A
 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on switch 	277 A 294 A
position 8 • for inside-delta circuit at rotary coding switch on switch	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
for inside-delta circuit at rotary coding switch on switch	416 A
 position 15 for inside-delta circuit at rotary coding switch on switch position 16 	433 A
at inside-delta circuit minimum	173 A
	15 %; Relative to smallest settable le
ninimum load [%] power loss [W] for rated value of the current at AC	10 /0, INGIALIVE (U SITIALIES) SELLADIE IE
at 40 °C after startup	87 W
·	
at 50 °C after startup at 60 °C after startup	78 W
• at 60 °C after startup	72 W
power loss [W] at AC at current limitation 350 %	0.040 W
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
Inputs/ Outputs	
number of digital inputs	1
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
mounting position fastening method	
	+/- 22.5° tiltable to the front and back
fastening method	+/- 22.5° tiltable to the front and back screw fixing
fastening method height width depth	+/- 22.5° tiltable to the front and back screw fixing 393 mm
fastening method height width	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm
fastening method height width depth	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm
fastening method height width depth required spacing with side-by-side mounting	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	+/- 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
fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	+/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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
fastening method height width depth required spacing with side-by-side mounting	+/- 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

 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 (50 240 mm²)	
for DIN cable lug for main contacts stranded	2x (70 240 mm²)	
type of connectable conductor cross-sections	ZX (10 Z+0 11111)	
for control circuit solid	2x (0.25 1.5 mm²)	
for control circuit finely stranded with core end processing	2x (0.25 1.5 mm²)	
for AWG cables for control circuit solid	2x (24 16)	
for AWG cables for control circuit finely stranded with core end processing	2x (24 16) 2x (24 16)	
wire length		
between soft starter and motor maximum	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 terminals	0.8 1.2 N·m	
tightening torque [lbf·in]		
for main contacts with screw-type terminals	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		
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	
 during storage according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get	
	inside the devices), 1M4	
during transport according to IEC 60721	inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
during transport according to IEC 60721 EMC emitted interference		
	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
EMC emitted interference Communication/ Protocol	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
EMC emitted interference Communication/ Protocol communication module is supported	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes	
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL according to UL softhe fuse usable for Standard Faults up to 575/600 V	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq max = 65 kA	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at insidedelta circuit according to UL usable for Standard Faults up to 575/600 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at insidedelta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	

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 value 	125 hp		
 at 220/230 V at inside-delta circuit at 50 °C rated value 	150 hp		
 at 460/480 V at inside-delta circuit at 50 °C rated value 	300 hp		
contact rating of auxiliary contacts according to UL	R300-B300		
Safety related data			
protection class IP on the front according to IEC 60529	IP00; IP20 with cover		
touch protection on the front according 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	

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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-business

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=3RW5244-2TC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5244-2TC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2TC04

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5244-2TC04\&lang=en}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5244-2TC04/char

Characteristic: Installation altitude

 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5244-2TC04\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







