## SIEMENS

## Data sheet

## 3RW5236-2AC04



SIRIUS soft starter 200-480 V 171 A, 24 V AC/DC spring-type 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>	<u>3RW5980-0HS00</u>	
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>	
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>	
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>	
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>	
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>	
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>	
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10	
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA	
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3365-6; 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>	<u>3NE1230-0; Type of coordination 2, Iq = 65 kA</u>	
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3335; Type of coordination 2, Iq = 65 kA</u>	
General technical data		
starting voltage [%]	30 100 %	
stopping voltage [%]	50 %; non-adjustable	
start-up ramp time of soft starter	0 20 s	

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			
<ul> <li>is supported HMI-Standard</li> </ul>	Yes			
<ul> <li>is supported HMI-High Feature</li> </ul>	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			
<ul> <li>for control circuit</li> </ul>	100 ms			

insulation 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 1 400 V				
blocking voltage of the thyristor maximum service factor	1				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for protective separation	600.1/				
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 according to IEC 60947-4-2	AC 53a				
reference code according to IEC 81346-2	Q				
Substance Prohibitance (Date)	02/15/2018				
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				
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection				
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No				
inside-delta circuit	Yes				
● auto-RESET	Yes				
manual RESET	Yes				
<ul> <li>remote reset</li> </ul>	Yes; By turning off the control supply voltage				
<ul> <li>communication function</li> </ul>	Yes				
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories				
error logbook	Yes; Only in conjunction with special accessories				
<ul> <li>via software parameterizable</li> </ul>	No				
<ul> <li>via software configurable</li> </ul>	Yes				
PROFlenergy	Yes; in connection with the PROFINET Standard communication module				
<ul> <li>firmware update</li> </ul>	Yes				
<ul> <li>removable terminal for control circuit</li> </ul>	Yes				
torque control	No				
<ul> <li>analog output</li> </ul>	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>	171 A				
• at 50 °C rated value	153 A				
• at 60 °C rated value	141 A				
operational current at inside-delta circuit					
• at 40 °C rated value	296 A				
• at 50 °C rated value	265 A				
• at 60 °C rated value	244 A				
operating voltage					
rated value	200 480 V				
<ul> <li>at inside-delta circuit rated value</li> </ul>	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	45 kW				
• at 230 V at inside-delta circuit at 40 °C rated value	90 kW				
• at 400 V at 40 °C rated value	90 kW				
• at 400 V at inside-delta circuit at 40 °C rated value	160 kW				
Operating frequency 1 rated value	50 Hz				
Operating frequency 2 rated value	60 Hz				

relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	81 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	87 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	99 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	105 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	111 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	117 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	129 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	135 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	141 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	147 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	153 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	159 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	165 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	171 A
• minimum	81 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	140 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	151 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	161 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	171 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	182 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	192 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	203 A
for inside-delta circuit at rotary coding switch on switch     position 8	213 A
for inside-delta circuit at rotary coding switch on switch position 9	223 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 switch</li> </ul>	234 A 244 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	244 A 255 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	265 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	205 A 275 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	286 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	200 A 296 A
<ul> <li>or inside-delta circuit at rotary couling switch on switch position 16</li> <li>at inside-delta circuit minimum</li> </ul>	140 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	63 W
• at 50 °C after startup	58 W
• at 60 °C after startup	54 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	2 405 W
• at 50 °C during startup	2 405 W 2 037 W
• at 50 °C during startup	1 826 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC

control supply voltage at AC					
<ul> <li>at 50 Hz rated value</li> </ul>	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	380 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 inputs number of digital outputs	1 3				
	3 2				
number of digital outputs <ul> <li>not parameterizable</li> </ul> digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
number of digital outputs <ul> <li>not parameterizable</li> </ul> <li>digital output version <ul> <li>number of analog outputs</li> </ul> </li>	3 2				
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	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	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         Installation/ mounting/ dimensions	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 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	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         Installation/ 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         Installation/ 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 306 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	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 306 mm 185 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         Installation/ 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 +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 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	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 306 mm 185 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         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards	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 306 mm 185 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         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards	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 306 mm 185 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         • at the side	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 306 mm 185 mm 203 mm 10 mm 0 mm 100 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         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	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 306 mm 185 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         • at the side         weight without packaging         Connections/ Terminals	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 306 mm 185 mm 203 mm 10 mm 0 mm 100 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         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         oforwards         odownwards         • 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 306 mm 185 mm 203 mm 10 mm 10 mm 10 mm 10 mm 75 mm 5 mm 7.15 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         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for main current circuit	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 306 mm 185 mm 203 mm 10 mm 10 mm 100 mm 75 mm 5 mm 7.15 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         oforwards         odownwards         • 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 306 mm 185 mm 203 mm 10 mm 10 mm 10 mm 100 mm 75 mm 5 mm 7.15 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         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for control circuit         width of connection bar maximum	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 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg busbar connection spring-loaded terminals				
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         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for control circuit	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 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg busbar connection spring-loaded terminals				
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         • 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	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 306 mm 185 mm 203 mm 10 mm 0 mm 10 mm 0 mm 10 mm 75 mm 5 mm 7.15 kg busbar connection spring-loaded terminals 25 mm				

type of connectable conductor cross-sections       • for control circuit solid       2x (0.25 1.5 mm²)				
• for control circuit solid $2x (0.25 \dots 1.5 \text{ mm}^2)$				
• for control circuit finely stranded with core end processing 2x (0.25 1.5 mm <sup>2</sup> )				
• 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 10 14 N·m				
• for auxiliary and control contacts with screw-type 0.8 1.2 N·m				
tightening torque [lbf·in]				
• for main contacts with screw-type terminals 89 124 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 40 °C	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 s (sand must not get into the devices), 3M6	alt mist), 3S2			
during storage according to IEC 60721     1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sa inside the devices), 1M4	nd must not get			
during transport according to IEC 60721     2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
EMC emitted interference acc. to IEC 60947-4-2: Class A				
Communication/ Protocol				
communication module is supported				
PROFINET standard     Yes				
• EtherNet/IP Yes				
Modbus RTU     Yes				
Modbus TCP Yes				
PROFIBUS     Yes				
UL/CSA ratings				
manufacturer's article number				
of circuit breaker				
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>Siemens type: 3VA52, max. 250 A; lq = 10 kA</li> </ul>				
- usable for High Faults at 460/480 V according to UL Siemens type: 3VA52, max. 250 A; Iq max = 65 kA				
— usable for Standard Faults at 460/480 V at inside- delta circuit according to UL Siemens type: 3VA52, max. 250 A; Iq = 10 kA				
<ul> <li>usable for High Faults at 460/480 V at inside-delta</li> <li>Siemens type: 3VA52, max. 250 A; Iq max = 65 kA</li> <li>circuit according to UL</li> </ul>				
<ul> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>Siemens type: 3VA52, max. 250 A; Iq = 10 kA</li> </ul>				
— usable for Standard Faults at 575/600 V at inside- delta circuit according to UL Siemens type: 3VA52, max. 250 A; Iq = 10 kA				
of the fuse				
— usable for Standard Faults up to 575/600 V according to UL Type: Class RK5 / K5, max. 400 A; Iq = 10 kA				
— usable for High Faults up to 575/600 V according to UL Type: Class J / L, max. 350 A; Iq = 100 kA				
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>Type: Class RK5 / K5, max. 400 A; Iq = 10 kA</li> </ul>				
to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to Type: Class J / L, max. 350 A; Iq = 100 kA				
to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL Type: Class J / L, max. 350 A; Iq = 100 kA				
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				
to 575/600 V according to UL     Type: Class J / L, max. 350 A; Iq = 100 kA				

• at 220/230 V at inside-delta circuit at 50 °C rated value		100 hp			
• at 460/480 V at inside-delta circuit at 50 °C rated value		200 hp			
contact rating of auxiliary contacts according	to UL	R300-B3	00		
Safety related data			_		
protection class IP on the front according to I			20 with cover		
touch protection on the front according to IEC	60529	Ŭ		ct from the front with cover	
electromagnetic compatibility		in accord	lance with IEC 6094	7-4-2	
Certificates/ approvals					
General Product Approval					EMC
	<u>Confirmatio</u>	n	(UL) III	EHC	RCM
Declaration of Conformity	Test Certificate	es N	larine / Shipping		
CE UK EG-Konf.	<u>Type Test Cer</u> ates/Test Rep		ABS	BUREAU VERITAS	Llovds Register us
Marine / Shipping other					
Confirmation PRS					
urther information Siemens has decided to exit the Russian mark					
https://press.siemens.com/global/en/pressrelease Siemens is working on the renewal of the curr Please contact your local Siemens office on the s EAC relevant market (other than the sanctioned f Information on the packaging https://support.industry.siemens.com/cs/ww/en/vi Information- and Downloadcenter (Catalogs, B	rent EAC certifica status of validity of EAEU member sta <u>ew/109813875</u>	tes. the EAC ce	ertification if you inte	end to import or offer to supp	ly these products to an
https://www.siemens.com/ic10 Industry Mall (Online ordering system)					
https://mall.industry.siemens.com/mall/en/en/Cata Cax online generator http://support.automation.siemens.com/WW/CAX Service&Support (Manuals, Certificates, Char	order/default.aspx	<u>(?lang=en&amp;</u>		<u>204</u>	
https://support.industry.siemens.com/cs/ww/en/ps Image database (product images, 2D dimension	on drawings, 3D i	models, de		ms, EPLAN macros,)	
http://www.automation.siemens.com/bilddb/cax_c Characteristic: Tripping characteristics, I <sup>2</sup> t, Le	et-through curren	ıt	04⟨=en		
https://support.industry.siemens.com/cs/ww/en/ps Characteristic: Installation altitude					
http://www.automation.siemens.com/bilddb/index Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/vi	·	ch&mlfb=3F	<u>RW5236-2AC04&amp;ob</u>	<u>iecttype=14&amp;gridview=view1</u>	_





