## SIEMENS

## Data sheet

## 3RW5214-1AC04



SIRIUS soft starter 200-480 V 18 A, 24 V AC/DC Screw terminals Analog output

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	<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>	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 15 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3820-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3820-6; 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>3NE1802-0; Type of coordination 2, Iq = 65 kA</u>
<ul> <li>of back-up R fuse link for semiconductor protection</li> </ul>	3NE8020-1; Type of coordination 2, Iq = 65 kA

## usable up to 690 V

General 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			
<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				
<ul> <li>for main current circuit</li> </ul>	100 ms			
<ul> <li>for control circuit</li> </ul>	100 ms			

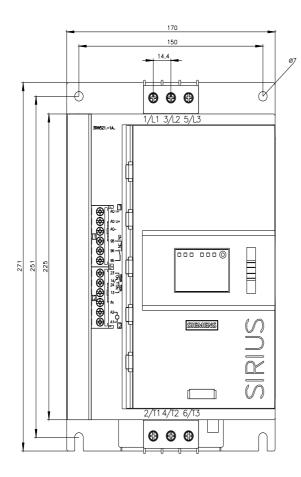
	200 V				
insulation voltage rated value	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 600 V				
service factor	1				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for protective separation					
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					
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes				
Soft Torque	Yes				
<ul> <li>adjustable current limitation</li> </ul>	Yes				
<ul> <li>pump ramp down</li> </ul>	Yes				
<ul> <li>intrinsic device protection</li> </ul>	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					
• at 40 °C rated value	18 A				
• at 50 °C rated value	15.9 A				
• at 60 °C rated value	13.8 A				
operational current at inside-delta circuit					
• at 40 °C rated value	31.5 A				
• at 50 °C rated value	28 A				
• at 60 °C rated value	23.9 A				
operating voltage					
rated value	200 480 V				
at inside-delta circuit rated value	200 480 V				
relative negative tolerance of the operating voltage	-15 %				
relative positive tolerance of the operating voltage	10 %				
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %				
relative positive tolerance of the operating voltage at inside-delta circuit	10 %				
operating power for 3-phase motors					
• at 230 V at 40 °C rated value	4 kW				
• at 230 V at inside-delta circuit at 40 °C rated value	7.5 kW				
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	7.5 kW				
at 400 V at inside-delta circuit at 40 °C rated value	15 kW				
Operating frequency 1 rated value	50 Hz				
Operating frequency 2 rated value	60 Hz				
Operating nequency 2 rated value	00112				

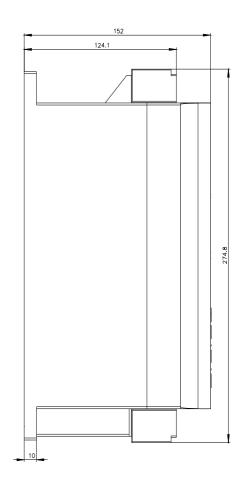
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	7.5 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	8.2 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	8.9 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	9.6 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	10.3 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	11 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	11.7 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	12.4 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	13.1 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	13.8 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	14.5 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	15.2 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	15.9 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	16.6 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	17.3 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	18 A
• minimum	7.5 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	13 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	14.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	15.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	16.6 A
• for inside-delta circuit at rotary coding switch on switch position 5	17.8 A
• for inside-delta circuit at rotary coding switch on switch position 6	19.1 A
for inside-delta circuit at rotary coding switch on switch     position 7	20.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> </ul>	21.5 A
for inside-delta circuit at rotary coding switch on switch     position 9     for inside delta circuit at rotary coding switch on switch	22.7 A 23.9 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>	25.1 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>	26.3 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>	27.5 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>	28.8 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>	30 A
<ul> <li>position 15</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	31.2 A
<ul><li>position 16</li><li>at inside-delta circuit minimum</li></ul>	13 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	17 W
● at 50 °C after startup	17 W
● at 60 °C after startup	16 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	276 W
• at 50 °C during startup	241 W
• at 60 °C during startup	200 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
approver to the control supply tollage	

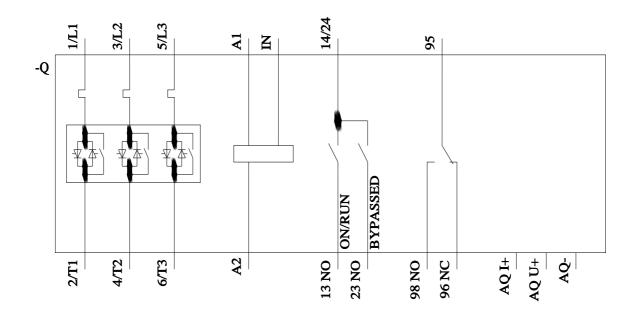
control supply voltage at AC	
• at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at 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	360 mA
inrush current by closing the bypass contacts maximum	0.75 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
number of digital outputs	3
number of digital outputs <ul> <li>not parameterizable</li> </ul>	3 2
number of digital outputs <ul> <li>not parameterizable</li> </ul> <li>digital output version</li>	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 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	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 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 +/- 10° rotation possible and can be tilted forward or backward on vertical
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 +/- 10° rotation possible and can be tilted forward or backward on 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         fastening method	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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         Connections/ Terminals	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 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         Connections/ Terminals         type of electrical connection	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 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 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 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         • type of connectable conductor cross-sections	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg

for AWG cables for main current circuit solid	2x (16 12), 2x (14 8)				
type of connectable conductor cross-sections					
• for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)				
for control circuit finely stranded with core end processing	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )				
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)				
<ul> <li>wire length</li> <li>between soft starter and motor maximum</li> </ul>	900 m				
<ul> <li>at the digital inputs at AC maximum</li> </ul>	800 m 100 m				
<u> </u>	1 000 m				
the digital inputs at DC maximum     tightening torque	1 000 111				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m				
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m				
terminals	0.8 1.2 N111				
tightening torque [lbf·in]					
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf-in				
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	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 or above				
during storage and transport	-40 +80 °C				
environmental category					
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6				
<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					
<ul> <li>of circuit breaker</li> </ul>					
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA				
<ul> <li>— usable for Standard Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 35 A; lq max = 65 kA				
<ul> <li>— usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>— usable for Standard Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
of the fuse					
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 70 A; lq = 5 kA				
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 70 A; lq = 100 kA				
<ul> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 70 A; lq = 5 kA				
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 70 A; lq = 100 kA				
operating power [hp] for 3-phase motors					
• at 200/208 V at 50 °C rated value	3 hp				
• at 220/230 V at 50 °C rated value	5 hp				
<ul> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	5 hp 10 hp				

<ul> <li>at 220/230 V at inside-delta</li> <li>at 460/480 V at inside-delta</li> </ul>					
	• at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL		, -B300		
afety related data					
protection class IP on the front a	according to IEC 605	<b>29</b> IP20			
touch protection on the front acc	cording to IEC 60529	finger	r-safe, for vertical contac	t from the front	
electromagnetic compatibility		in acc	cordance with IEC 60947	-4-2	
Certificates/ approvals					
General Product Approval					EMC
		<u>Confirmation</u>	(UL) ut	EHC	RCM
Declaration of Conformity	Test	Certificates	Marine / Shipping		
CE EG-Konf.		<u>e Test Certific-</u> s <u>/Test Report</u>	ABS	B U R E A U VERITAS	Lloyds Register urs
Marine / Shipping other					
PRS Conf	irmation				
Further information Siemens has decided to exit the	Russian market (see	e here).			
https://press.siemens.com/global/e Siemens is working on the renew Please contact your local Siemens EAC relevant market (other than th Information on the packaging https://support.industry.siemens.com Information- and Downloadcente https://www.siemens.com/ic10	val of the current EA office on the status of e sanctioned EAEU m m/cs/ww/en/view/109	C certificates. f validity of the EA nember states Rus <u>813875</u>	C certification if you inter	nd to import or offer to supp	bly these products to an
Industry Mall (Online ordering sy https://mall.industry.siemens.com/r		oduct?mlfb=3RW5	214-1AC04		
Cax online generator http://support.automation.siemens.	com/WW/CAXorder/de	efault.aspx?lang=e	en&mlfb=3RW5214-1AC	<u>04</u>	
Service&Support (Manuals, Cert https://support.industry.siemens.co					
Image database (product images	, 2D dimension draw	vings, 3D models		ns, EPLAN macros,)	
http://www.automation.siemens.com Characteristic: Tripping character https://support.industry.siemens.com Characteristic: Installation altituu	eristics, I²t, Let-throu m/cs/ww/en/ps/3RW5 de	igh current 214-1AC04/char		oth no - 148 and investigation	
http://www.automation.siemens.com Simulation Tool for Soft Starters		new=Search&mitb	-3KVV3214-1ACU4&0DJ6	cuype=14&griaview=view	L







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