SIEMENS

Data sheet 3RW5234-6AC14



SIRIUS soft starter 200-480 V 113 A, 110-250 V AC Screw terminals Analog output

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- of the gG fuse usable at inside-delta circuit up to 500 V
- of full range R fuse link for semiconductor protection usable up to 690 V
- \bullet of back-up R fuse link for semiconductor protection usable up to 690 V

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10

3NA3244-6; Type of coordination 1, Iq = 65 kA

3NA3244-6; Type of coordination 1, Iq = 65 kA

3NE1225-0; Type of coordination 2, Iq = 65 kA

3NE3332-0B; Type of coordination 2, Iq = 65 kA

General technical data

starting voltage [%]

stopping voltage [%]

start-up ramp time of soft starter current limiting value [%] adjustable

certificate of suitability

- CE marking
- UL approval
- CSA approval

product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

- for main current circuit
- for control circuit

insulation voltage rated value

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

100 ms

100 ms

600 V

degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category 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 meter everland protection	Yes
motor overload protection avaluation of thermister meter protection	Yes; Electronic motor overload protection No
 evaluation of thermistor motor protection inside-delta circuit 	Yes
auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
communication function	Yes
operating measured value display	Yes; Only in conjunction with special accessories
error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
 via software configurable 	Yes
 PROFlenergy 	Yes; in connection with the PROFINET Standard communication
	module
- firmurara undata	Yes
• firmware update	
• removable terminal for control circuit	Yes
 removable terminal for control circuit torque control 	Yes No
 removable terminal for control circuit 	Yes
 removable terminal for control circuit torque control 	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
 removable terminal for control circuit torque control analog output 	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
removable terminal for control circuit torque control analog output Power Electronics	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
 removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value 	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at value at 50 °C rated value at 50 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value operational current value at 60 °C rated value operating voltage	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at value at 50 °C rated value at 50 °C rated value at 60 °C rated value rated value rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value relative negative tolerance of the operating voltage 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	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value rated value rated value rated value relative negative tolerance of the operating voltage 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	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value relative operating voltage rated value at inside-delta circuit rated value 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	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value operational current at inside-delta circuit at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 %
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive 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 40 °C rated value at 400 V at 40 °C rated value	Yes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW 55 kW
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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 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	Yes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW 55 kW 110 kW
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive 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 400 V at inside-delta circuit at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value	Yes, 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW 55 kW
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operational current at inside-delta circuit at 40 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at inside-delta circuit rated value rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive 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 Operating frequency 1 rated value Operating frequency 2 rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW 55 kW 110 kW 50 Hz
removable terminal for control circuit torque control analog output Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive 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 400 V at inside-delta circuit at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value ot 400 V at inside-delta circuit at 40 °C rated value	Yes No Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) 113 A 101 A 89 A 196 A 175 A 154 A 200 480 V 200 480 V -15 % 10 % -15 % 10 % 30 kW 55 kW 55 kW 110 kW 50 Hz 60 Hz

adjustable motor current	
at rotary coding switch on switch position 1	53 A
 at rotary coding switch on switch position 2 	57 A
 at rotary coding switch on switch position 3 	61 A
 at rotary coding switch on switch position 4 	65 A
 at rotary coding switch on switch position 5 	69 A
 at rotary coding switch on switch position 6 	73 A
 at rotary coding switch on switch position 7 	77 A
 at rotary coding switch on switch position 8 	81 A
 at rotary coding switch on switch position 9 	85 A
at rotary coding switch on switch position 10	89 A
at rotary coding switch on switch position 11	93 A
at rotary coding switch on switch position 12	97 A
at rotary coding switch on switch position 13	101 A
at rotary coding switch on switch position 14 at rotary coding switch on switch position 15	105 A
 at rotary coding switch on switch position 15 at rotary coding switch on switch position 16 	109 A 113 A
minimum	53 A
adjustable motor current	30 A
for inside-delta circuit at rotary coding switch on switch position 1	91.8 A
 for inside-delta circuit at rotary coding switch on switch position 2 	98.7 A
 for inside-delta circuit at rotary coding switch on switch position 3 	106 A
 for inside-delta circuit at rotary coding switch on switch position 4 	113 A
 for inside-delta circuit at rotary coding switch on switch position 5 	120 A
 for inside-delta circuit at rotary coding switch on switch position 6 	126 A
for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at rotary coding switch on switch position.	133 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside-delta circuit at rotary coding switch on 	140 A 147 A
switch position 9 • for inside-delta circuit at rotary coding switch on	154 A
switch position 10 • for inside-delta circuit at rotary coding switch on	161 A
switch position 11 • for inside-delta circuit at rotary coding switch on	168 A
switch position 12for inside-delta circuit at rotary coding switch on	175 A
switch position 13for inside-delta circuit at rotary coding switch on	182 A
 switch position 14 for inside-delta circuit at rotary coding switch on 	189 A
 switch position 15 for inside-delta circuit at rotary coding switch on switch position 16 	196 A
at inside-delta circuit minimum	91.8 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	46 W
• at 50 °C after startup	42 W
• at 60 °C after startup	39 W
power loss [W] at AC at current limitation 350 %	4.540.W
• at 40 °C during startup	1 512 W
• at 50 °C during startup	1 291 W
at 60 °C during startup Control significant Control	1 086 W
Control circuit/ Control	A.C.
type of voltage of the control supply voltage	AC
control supply voltage at AC • at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply	-15 %
	12.17

K 440 450 H	
voltage at AC at 50 Hz	40.07
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply	-10 %
voltage frequency	10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply current in standby mode rated value	30 mA
holding current in bypass operation rated value	75 mA
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 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
l	not part of scope of supply
Inputs/ Outputs	•
number of digital inputs	1
number of digital outputs	3
not parameterizable digital autout varion	2
digital output version number of analog outputs	2 normally-open contacts (NO) / 1 changeover contact (CO) 1
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
at DC-13 at 24 V rated value	1A
Installation/ mounting/ dimensions	
	with vertical mounting ourface 1/00° retatable, with vertical mounting
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
fastening method	surface +/- 22.5° tiltable to the front and back
fastening method height	surface +/- 22.5° tiltable to the front and back
fastening method height width	surface +/- 22.5° tiltable to the front and back screw fixing
height	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm
height width	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
height width depth	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
height width depth required spacing with side-by-side mounting • forwards	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
height width depth required spacing with side-by-side 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
height width depth required spacing with side-by-side 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
height width depth required spacing with side-by-side 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
height width depth required spacing with side-by-side 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 6.6 kg
height width depth required spacing with side-by-side 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 6.6 kg
height width depth required spacing with side-by-side 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 6.6 kg
height width depth required spacing with side-by-side 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 6.6 kg
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²)
height width depth required spacing with side-by-side 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 6.6 kg
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²)
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²)
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
height width depth required spacing with side-by-side 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 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 0 mm 100 mm 15 mm 5 mm 5 mm 6.6 kg 100 mm 100
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 0 mm 100 mm 15 mm 5 mm 5 mm 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 800 m
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 0 mm 100 mm 15 mm 5 mm 5 mm 6.6 kg busbar connection screw-type terminals 25 mm 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) 1x (20 12), 2x (20 14) 800 m
height width depth required spacing with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 100 mm 0 mm 100 mm 100 mm 5 mm 5 mm

tightening torque [lbf·in]	
for main contacts with screw-type terminals	89 124 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	3 500 m, Beraung as or 1000 m, see catalog
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
 during storage according to IEC 60721 	mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 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	V
PROFINET standard EtherNet/IP	Yes Yes
	Yes
Modbus RTU Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
usable for Standard Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
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
usable for High Faults at 460/480 V at insidedelta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
 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	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
according to UL — usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 350 A; Iq = 100 kA
usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
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
operating power [hp] for 3-phase motors	
at 200/208 V at 50 °C rated value	30 hp
 at 220/230 V at 50 °C rated value 	30 hp
 at 460/480 V at 50 °C rated value 	75 hp
 at 200/208 V at inside-delta circuit at 50 °C rated value 	50 hp
at 220/230 V at inside-delta circuit at 50 °C rated value	60 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	125 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 electromagnetic compatibility	finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2
Certificates/ approvals	
General Product Approval	EMC
TT	





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

othei



Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5234-6AC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5234-6AC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6AC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5234-6AC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

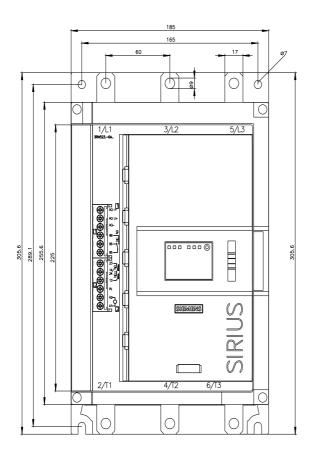
https://support.industry.siemens.com/cs/ww/en/ps/3RW5234-6AC14/char

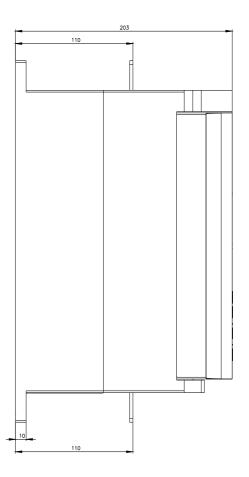
Characteristic: Installation altitude

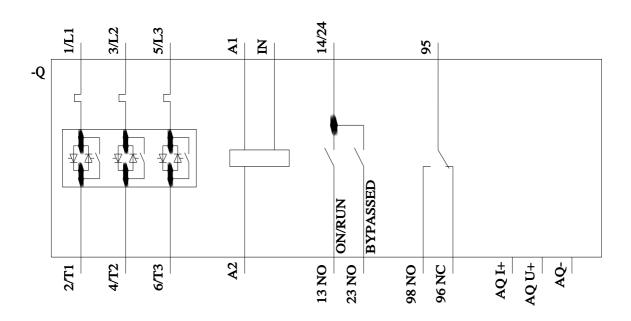
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5234-6AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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