SIEMENS

Data sheet 3RW5215-3AC14



SIRIUS soft starter 200-480 V 25 A, 110-250 V AC 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	
 of standard HMI module usable 	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4VA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3822-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3822-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1817-0: Type of coordination 2. Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE8021-1; Type of coordination 2, Iq = 65 kA

General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
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 is supported	
HMI-Standard	Yes
HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

buffering time in the event of power failure	
for main current circuit	100 ms
for control circuit	100 ms
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 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 acc. to IEC 60947-4-2	AC 53a
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	15.02.2018 00:00:00
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
motor overload protection	Yes; Electronic motor overload protection
evaluation of thermistor motor protection	No
• 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 via pottugra parameterinable	Yes; Only in conjunction with special accessories
via software parameterizable via software configurable	No You
via software configurable PROFlements	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
removable terminal for control circuit	Yes
torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature
	HMI)
Power Electronics	
operational current	
 at 40 °C rated value 	25 A
• at 50 °C rated value	22 A
at 60 °C rated value	20 A
operational current at inside-delta circuit	
• at 40 °C rated value	43.3 A
• at 50 °C rated value	39 A
at 60 °C rated value	33.9 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	-15 %
inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	5.5 kW
→ at ∠oo v at +o. O lateu value	U.U INVV

a at 220 V at incide delta singuit at 40 °Ctt !	14 1/1/
at 230 V at inside-delta circuit at 40 °C rated value at 400 V at 40 °C rated value	11 kW
 at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value 	11 kW
Operating frequency 1 rated value	18.5 kW 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	10 70
at rotary coding switch on switch position 1	11.5 A
at rotary coding switch on switch position 2	12.4 A
 at rotary coding switch on switch position 3 	13.3 A
 at rotary coding switch on switch position 4 	14.2 A
at rotary coding switch on switch position 5	15.1 A
 at rotary coding switch on switch position 6 	16 A
 at rotary coding switch on switch position 7 	16.9 A
 at rotary coding switch on switch position 8 	17.8 A
 at rotary coding switch on switch position 9 	18.7 A
 at rotary coding switch on switch position 10 	19.6 A
 at rotary coding switch on switch position 11 	20.5 A
 at rotary coding switch on switch position 12 	21.4 A
 at rotary coding switch on switch position 13 	22.3 A
at rotary coding switch on switch position 14	23.2 A
at rotary coding switch on switch position 15	24.1 A
at rotary coding switch on switch position 16	25 A
minimum adjustable meter current	11.5 A
of r inside-delta circuit at rotary coding switch on switch position 1	19.9 A
for inside-delta circuit at rotary coding switch on switch position 2	21.5 A
 for inside-delta circuit at rotary coding switch on switch position 3 	23 A
 for inside-delta circuit at rotary coding switch on switch position 4 	24.6 A
 for inside-delta circuit at rotary coding switch on switch position 5 	26.2 A
 for inside-delta circuit at rotary coding switch on switch position 6 	27.7 A
 for inside-delta circuit at rotary coding switch on switch position 7 	29.3 A
for inside-delta circuit at rotary coding switch on switch position 8	30.8 A
for inside-delta circuit at rotary coding switch on switch position 9	32.4 A
for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at rotary coding switch on	33.9 A
 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on 	35.5 A 37.1 A
switch position 12 • for inside-delta circuit at rotary coding switch on	38.6 A
switch position 13 • for inside-delta circuit at rotary coding switch on	40.2 A
switch position 14for inside-delta circuit at rotary coding switch on	41.7 A
switch position 15for inside-delta circuit at rotary coding switch on	43.3 A
switch position 16	40.0.0
at inside-delta circuit minimum	19.9 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	20 W
at 40 C after startup at 50 °C after startup	20 W 19 W
• at 60 °C after startup	18 W
→ at oo to alter startup	10 11

power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	376 W
 at 50 °C during startup 	318 W
at 60 °C during startup	278 W
Control circuit/ Control	
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 voltage at AC at 50 Hz	-15 %
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 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
locked-rotor current at close of bypass contact maximum	0.17 A
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 not part of scope of supply
Inputs/ Outputs	
Inputs/ Outputs	1
number of digital inputs	1
number of digital inputs number of inputs for thermistor connection	0
number of digital inputs number of inputs for thermistor connection number of digital outputs	3
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable	0 3 2
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs	0 3 2
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
number of digital inputs number of inputs for thermistor connection 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	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
number of digital inputs number of inputs for thermistor connection 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	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
number of digital inputs number of inputs for thermistor connection 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	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A
number of digital inputs number of inputs for thermistor connection 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	0 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
number of digital inputs number of inputs for thermistor connection 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	0 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
number of digital inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection number of digital outputs	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection number of digital outputs	0 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 inputs number of inputs for thermistor connection 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	0 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 inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	0 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
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	0 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 100 mm 75 mm 5 mm
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	0 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 5 mm 2.1 kg
number of digital inputs number of inputs for thermistor connection number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	0 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 100 mm 75 mm 5 mm

sype of connectable conductor cross-sections - solid -		
	type of connectable conductor cross-sections	
finely stranded with core and processing • all AWG cables for main current circuit solid • to control circuit solid • to control circuit solid • at AWG cables for control circuit solid • at the digital injust at AC maximum • at the digital injust at AC maximum • at the digital injust at AC maximum • of main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for	 for main contacts 	
or AWG cables for main current circuit solid type of connectable conductor cross-sections	— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
ype of connectable conductor cross-sections • for control circuit finely stranded with core end processing • if AWG cables for control circuit finely stranded with core end processing • if AWG cables for control circuit finely stranded with core end processing • if AWG cables for control circuit finely stranded with core end processing • if AWG cables for control circuit finely stranded with core end processing • if the registion of the registion of the processing of the pr	 finely stranded with core end processing 	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
• for control circuit salid • for control circuit salid • for control circuit salid • at AWG cables for control circuit salid • between soft starter and motor maximum • between soft starter and motor maximum • at the digital inputs at AG maximum 100 m	at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)
• for control circuit finely stranded with core end processing • at AWG cables for control circuit solid • at AWG cables for control circuit finely stranded with core end processing wire length • between soft starter and motor maximum • the deglat inputs at AC maximum • the deglat inputs at AC maximum • the deglat inputs at AC maximum • of main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for mai	type of connectable conductor cross-sections	
e at AWG cables for control circuit solid e at AWG cables for control circuit finely stranded with core end processing wise length • between soft starter and motor maximum e at the digital inputs at AC maximum 100 m tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for for in auxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type ter	 for control circuit solid 	2x (0.25 1.5 mm²)
a the digital inputs at AC maximum between soft starter and motor maximum at the digital inputs at AC maximum tightening forque of or main contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals of or auxiliary and control contacts with screw-type terminals 18 22 lbf-in 7 10.3 lbf-in terminals 1	· · · · · · · · · · · · · · · · · · ·	2x (0.25 1.5 mm²)
core end processing wire length • between soft starter and motor maximum • but the digital inputs at AC maximum • for main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals • for ouxiliary and control contacts with screw-type terminals •	 at AWG cables for control circuit solid 	2x (24 16)
between soft starter and motor maximum at the digital inputs at AC maximum tightening torque for main contacts with screw-type terminals for auxillary and control contacts with screw-type terminals for auxillary and control contacts with screw-type terminals for main contacts with screw-type terminals for auxillary and control contacts with screw-type terminals for cavillary and control contacts with screw-type terminals for cavillary and control contacts with screw-type terminals for Cr. Please observe derating at temperatures of 40 °C or above above which are temperatures of 40 °C or above above which are temperatures of 40 °C or abo	•	2x (24 16)
• at the digital inputs at AC maximum tightening forque • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for auxillary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main contacts with screw-type terminals • for auxillary and control contacts with screw-type • for main con	wire length	
tightening torque of or main contacts with screw-type terminals of or auxillary and control contacts with screw-type terminals tightening torque [ibf-in] of or main contacts with screw-type terminals of or auxillary and control contacts with screw-type terminals to for auxillary and control contacts with screw-type terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in terminals 18 22 lbf-in 7 10.3 lbf-in 18 22 lbf-in 7 10.3 lbf-in 18 22 lbf-in 7 10.3 lbf-in 18 2	 between soft starter and motor maximum 	800 m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for or contact with screw-type terminals • for or auxiliary and control contacts with screw-type terminals • for or auxiliary and control contacts with screw-type terminals • for or auxiliary and transport • during operation • during storage and transport • during operation • during storage and transport • during operation • during storage and transport • during storage and transport • during storage and transport • during	 at the digital inputs at AC maximum 	100 m
tightening torque [ibf·in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for contacts with screw-type terminals • for main contacts with screw-type terminals • for contacts at temperatures of 40 °C or above • for contact at temperatures of 40 °C or above • during operation acc. to IEC 60721 • for centing at temperatures of 40 °C or above • for centing at temperatures of 40 °C or above • for centing at temperatures of 40 °C or above • for centing at temperatures of 40 °C or above • for centing at temperatures of 40 °C or above • for centing at temperature	tightening torque	
tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport	 for main contacts with screw-type terminals 	2 2.5 N·m
tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Installation altitude at height above sea level maximum ambient conditions Installation altitude at height above sea level maximum • during operation • during poration • during storage and transport • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during trans	 for auxiliary and control contacts with screw-type 	0.8 1.2 N⋅m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum • during operation • during poperation • during storage and transport • during storage and transport • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • PROFINET standard • PROFINES standard • PROFINES standard • PROFINES standard • ItherNet/IP • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 457/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Faults at 57/600 V according to UL — usable for Standard Fa	*	
For auxiliary and control contacts with screw-type terminals terminals	tightening torque [lbf·in]	
Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage and transport during operation acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 EMC emitted interference communication Protocol communication Module is supported PROFINET standard PROFINET standard PROFIBUS DUCSA ratings manufacturer's article number of circuit breaker usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 450/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V according to UL Type: Class 8/6 / K5, max. 100 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA S	 for main contacts with screw-type terminals 	18 22 lbf·in
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 usable for Standard Faults at 575/600 V at inside-delta circuit according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V Type: Class RK5 / K5, max. 100 A; Iq = 5 kA Type: Class J / L, max. 100 A; Iq = 100 kA 	— usable for Standard Faults at 575/600 V	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA
 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V Type: Class RK5 / K5, max. 100 A; Iq = 5 kA Type: Class J / L, max. 100 A; Iq = 100 kA 	— usable for Standard Faults at 575/600 V at	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; Iq = 5 kA
 usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V Type: Class RK5 / K5, max. 100 A; Iq = 5 kA Type: Class J / L, max. 100 A; Iq = 100 kA 	_	
— usable for High Faults up to 575/600 V Type: Class J / L, max. 100 A; Iq = 100 kA	— usable for Standard Faults up to 575/600 V	Type: Class RK5 / K5, max. 100 A; Iq = 5 kA
	— usable for High Faults up to 575/600 V	Type: Class J / L, max. 100 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. 100 A; Iq = 5 kA
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 100 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	5 hp
 at 220/230 V at 50 °C rated value 	7.5 hp
 at 460/480 V at 50 °C rated value 	15 hp
 at 200/208 V at inside-delta circuit at 50 °C rated value 	10 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	10 hp
 at 460/480 V at inside-delta circuit at 50 °C rated value 	25 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
electromagnetic compatibility	in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity













Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











other

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=3RW5215-3AC14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5215-3AC14}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW5215-3AC14

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5215-3AC14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

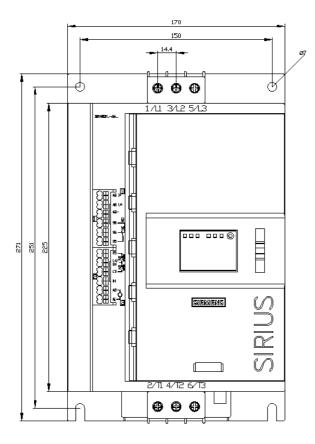
https://support.industry.siemens.com/cs/ww/en/ps/3RW5215-3AC14/char

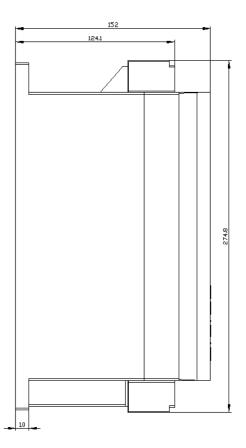
Characteristic: Installation altitude

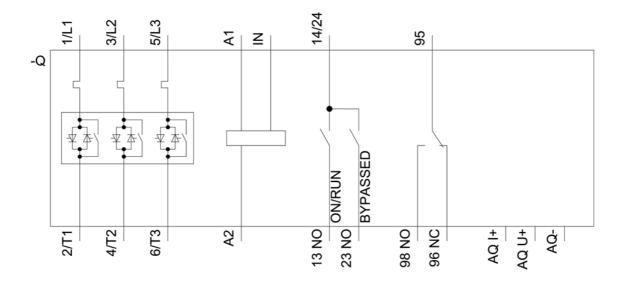
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5215-3AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 8/10/2021 🖸