SIEMENS

Data sheet

3RW5213-1AC14



SIRIUS soft starter 200-480 V 13 A, 110-250 V AC 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			
 of standard HMI module usable 	3RW5980-0HS00		
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>		
 of communication module PROFINET standard usable 	3RW5980-0CS00		
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>		
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>		
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>		
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>		
 of circuit breaker usable at 400 V 	<u>3RV2032-4TA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V 	<u>3RV2032-4TA10;</u> Type of coordination 1, lq = 18 kA, CLASS 10		
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3RV2032-4DA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4DA10;</u> Type of coordination 1, Iq = 18 kA, CLASS 10		
 of the gG fuse usable up to 690 V 	<u>3NA3820-6;</u> Type of coordination 1, Iq = 65 kA		
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3820-6;</u> Type of coordination 1, Iq = 65 kA		
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1815-0;</u> Type of coordination 2, Iq = 65 kA		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8017-1;</u> Type of coordination 2, Iq = 65 kA		
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		
 is supported HMI-Standard 	Yes		
 is supported HMI-High Feature 	Yes		
product feature integrated bypass contact system	Yes		
number of controlled phases	3		
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2		
buffering time in the event of power failure			

• for main current circuit	100 ms				
for control circuit	100 ms				
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 according to IEC 60947-4-2	AC 53a				
reference code according to IEC 81346-2	Q				
Substance Prohibitance (Date)	02/15/2018				
product function					
 ramp-up (soft starting) 	Yes				
 ramp-down (soft stop) 	Yes				
Soft Torque	Yes				
adjustable current limitation	Yes				
pump ramp down	Yes				
intrinsic device protection	Yes				
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 	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				
• 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	12 /				
• at 40 °C rated value	13 A				
• at 50 °C rated value	11.5 A				
at 60 °C rated value	10.5 A				
 operational current at inside-delta circuit at 40 °C rated value 	22.5.4				
at 50 °C rated value	22.5 A 19.9 A				
at 50 °C rated value at 60 °C rated value	19.9 A 18.2 A				
• at 60 C rated value operating voltage	10.2 A				
rated value	200 490 \/				
 rated value at inside-delta circuit rated value 	200 480 V 200 480 V				
relative negative tolerance of the operating voltage	-15 %				
relative positive tolerance of the operating voltage	10 %				
relative positive 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	3 kW				
 at 230 V at inside-delta circuit at 40 °C rated value 	5.5 kW				
 at 400 V at 40 °C rated value 	5.5 kW				
 at 400 V at 40 °C rated value at 400 V at inside-delta circuit at 40 °C rated value 	5.5 KW 11 kW				

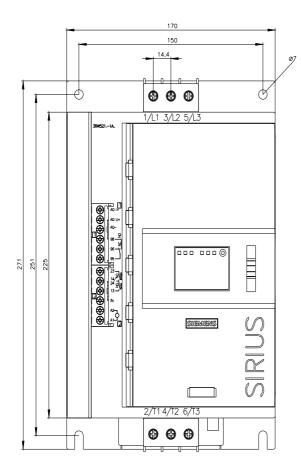
Operating frequency 2 rated value	60 Hz			
relative negative tolerance of the operating frequency	-10 %			
relative positive tolerance of the operating frequency	10 %			
adjustable motor current				
 at rotary coding switch on switch position 1 	5.5 A			
 at rotary coding switch on switch position 2 	6 A			
 at rotary coding switch on switch position 3 	6.5 A			
 at rotary coding switch on switch position 4 	7 A			
 at rotary coding switch on switch position 5 	7.5 A			
 at rotary coding switch on switch position 6 	8 A			
 at rotary coding switch on switch position 7 	8.5 A			
at rotary coding switch on switch position 8	9 A			
 at rotary coding switch on switch position 9 	9.5 A			
 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 	10 A			
 at rotary coding switch on switch position 11 at rotary coding switch on switch position 12 	10.5 A 11 A			
 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 	11.5 A			
 at rotary coding switch on switch position 13 at rotary coding switch on switch position 14 	12 A			
 at rotary coding switch on switch position 14 at rotary coding switch on switch position 15 	12.5 A			
 at rotary coding switch on switch position 16 	13 A			
minimum	5.5 A			
adjustable motor current				
 for inside-delta circuit at rotary coding switch on switch position 1 	9.5 A			
 for inside-delta circuit at rotary coding switch on switch position 2 	10.4 A			
 for inside-delta circuit at rotary coding switch on switch position 3 	11.3 A			
• for inside-delta circuit at rotary coding switch on switch position 4	12.1 A			
• for inside-delta circuit at rotary coding switch on switch position 5	13 A			
 for inside-delta circuit at rotary coding switch on switch position 6 for inside delta circuit at rotary coding switch on 	13.9 A			
 for inside-delta circuit at rotary coding switch on switch position 7 for inside-delta circuit at rotary coding switch on 	14.7 A 15.6 A			
 switch position 8 for inside-delta circuit at rotary coding switch on 	16.5 A			
 switch position 9 for inside-delta circuit at rotary coding switch on 	17.3 A			
switch position 10for inside-delta circuit at rotary coding switch on	18.2 A			
switch position 11for inside-delta circuit at rotary coding switch on	19.1 A			
 switch position 12 for inside-delta circuit at rotary coding switch on 	19.9 A			
 switch position 13 for inside-delta circuit at rotary coding switch on switch position 14 	20.8 A			
 for inside-delta circuit at rotary coding switch on switch position 15 	21.7 A			
 for inside-delta circuit at rotary coding switch on switch position 16 	22.5 A			
at inside-delta circuit minimum	9.5 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	16 W			
• at 50 °C after startup	15 W			
• at 60 °C after startup	15 W			
 power loss [W] at AC at current limitation 350 % at 40 °C during startup 	210 W			
 at 40°C during startup at 50 °C during startup 	210 W 178 W			
• at 60 °C during startup	161 W			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC				

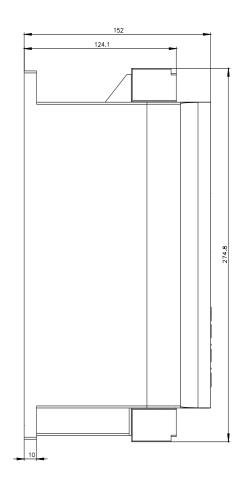
● at 50 Hz	110 250 V			
• at 60 Hz	110 250 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %			
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %			
relative 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	-10 %			
voltage frequency				
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			
	not part of scope of supply			
Inputs/ Outputs				
number of digital inputs	1			
number of digital outputs	3			
not parameterizable	2			
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs	1			
switching capacity current of the relay outputs	2.4			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value 	3 A 1 A			
Installation/ mounting/ dimensions				
	+/- 10° rotation possible and can be tilted forward or backward on			
Installation/ mounting/ dimensions mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface			
Installation/ mounting/ dimensions mounting position fastening method	+/- 10° rotation possible and can be tilted forward or backward on			
Installation/ mounting/ dimensions mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing			
Installation/ mounting/ dimensions mounting position fastening method height	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm			
Installation/ mounting/ dimensions mounting position fastening method height width	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm			
Installation/ mounting/ dimensions mounting position fastening method height width depth	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	+/- 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			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	 +/- 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 			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	 +/- 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 			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections	 +/- 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 			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts	+/- 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 screw-type terminals screw-type terminals			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid	+/- 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 screw-type terminals screw-type terminals 2x (1.0 2.5 mm ²), 2x (2.5 10 mm ²)			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing	 +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 275 mm 170 mm 152 mm 10 mm 0 mm 00 mm 100 mm 75 mm 5 mm 2.1 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm ²), 2x (2.5 10 mm ²) 2x (1.0 2.5 mm ²), 2x (2.5 6.0 mm ²)			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts - solid - finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid	+/- 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 screw-type terminals screw-type terminals $2x (1.0 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1.0 2.5 mm^2), 2x (2.5 6.0 mm^2)$ 2x (16 12), 2x (14 8) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • for control circuit solid	+/- 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 screw-type terminals screw-type terminals $2x (1.0 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1.0 2.5 mm^2), 2x (2.5 6.0 mm^2)$ 2x (16 12), 2x (14 8)			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • backwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing	+/- 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 screw-type terminals screw-type terminals $2x (1.0 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$ $2x (1.0 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 6.0 \text{ mm}^2)$ $2x (16 \dots 12), 2x (14 \dots 8)$ $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 2.5 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid	+/- 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 screw-type terminals screw-type terminals $2x (1.0 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1.0 2.5 mm^2), 2x (2.5 6.0 mm^2)$ 2x (16 12), 2x (14 8) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • at weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • for control circuit solid type of connectable conductor cross-sections • at AWG cables for main current circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid wire length	+/- 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 screw-type terminals screw-type terminals $2x (1.0 2.5 mm^2), 2x (2.5 10 mm^2)$ $2x (1.0 2.5 mm^2), 2x (2.5 6.0 mm^2)$ 2x (16 12), 2x (14 8) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$ $1x (0.5 2.5 mm^2), 2x (20 14)$			
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • downwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit type of connectable conductor cross-sections • for main contacts — solid — finely stranded with core end processing • at AWG cables for control circuit solid • for control circuit finely stranded with core end processing • at AWG cables for control circuit solid	+/- 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 screw-type terminals screw-type terminals $2x (1.0 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 10 \text{ mm}^2)$ $2x (1.0 \dots 2.5 \text{ mm}^2), 2x (2.5 \dots 6.0 \text{ mm}^2)$ $2x (16 \dots 12), 2x (14 \dots 8)$ $1x (0.5 \dots 4.0 \text{ mm}^2), 2x (0.5 \dots 2.5 \text{ mm}^2)$ $1x (0.5 \dots 2.5 \text{ mm}^2), 2x (0.5 \dots 1.5 \text{ mm}^2)$			

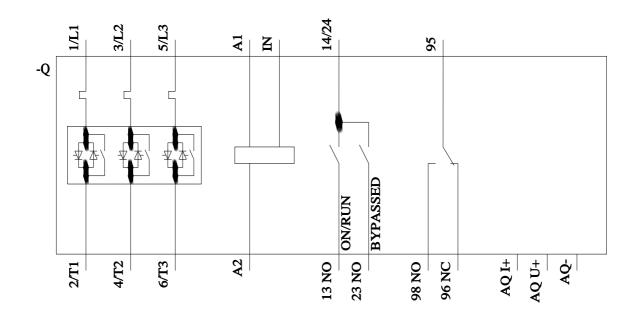
tightening torque				
for main contacts with screw-type terminals	2 2.5 N·m			
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m			
tightening torque [lbf·in]				
 for main contacts with screw-type terminals 	18 22 lbf·in			
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in			
terminals				
Ambient conditions				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog			
 ambient temperature during operation 	-25 +60 °C; Please observe derating at temperatures of 40 °C 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				
PROFINET standard	Yes			
EtherNet/IP	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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA			
according to UL — usable for High Faults at 460/480 V according	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65			
to UL — usable for Standard Faults at 460/480 V at	kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA			
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65			
delta circuit according to UL — usable for Standard Faults at 575/600 V	kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA			
according to UL — usable for Standard Faults at 575/600 V at	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Ig = 5 kA			
 inside-delta circuit according to UL of the fuse 	0 = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +			
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 50 A; Iq = 5 kA			
 — usable for High Faults up to 575/600 V according to UL 	Type: Class J / L, max. 50 A; lq = 100 kA			
 — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 50 A; lq = 5 kA			
 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 50 A; lq = 100 kA			
operating power [hp] for 3-phase motors				
• at 200/208 V at 50 °C rated value	2 hp			
 at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value 	3 hp 7.5 hp			
 at 200/208 V at inside-delta circuit at 50 °C rated 	7.5 hp			
 at 220/230 V at inside-delta circuit at 50 °C rated at 220/230 V at inside-delta circuit at 50 °C rated 	5 hp			
 at 220/230 V at inside-delta circuit at 50 °C rated at 460/480 V at inside-delta circuit at 50 °C rated 	10 hp			
value				
contact rating of auxiliary contacts according to UL	R300-B300			
Safety related data protection class IP on the front according to IEC	IP20			
60529	11 20			

touch protection on the front according to IEC 60529finger-safe, for vertical contact from the frontelectromagnetic compatibilityin accordance with IEC 60947-4-2					
Certificates/ approva					_
General Product A	pproval				EMC
(SPA	<u>Confirmation</u>			EHC	RCM
Declaration of Cor	nformity	Test Certificates	Marine / Shipping		
UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS	Llovds Register Lis
Marine / Shipping	other				
PRS	<u>Confirmation</u>				
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=3RW5213-1AC14 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5213-1AC14 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1AC14					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5213-1AC14⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1AC14/char					
Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5213-1AC14&objecttype=14&gridview=view1 Simulation Tool for Soft Startors (STS)					

Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







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