SIEMENS

Data sheet

3RW5217-1AC15



SIRIUS soft starter 200-600 V 38 A, 110-250 V AC Screw terminals Analog output

a a a a	
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 	<u>3RW5980-0CS00</u>
 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>3RV2032-4WA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	<u>3RV2032-4WA10;</u> Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3RV2032-4RA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4RA10;</u> Type of coordination 1, Iq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V 	<u>3NA3824-6;</u> Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3824-6;</u> Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1820-0;</u> Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8024-1;</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	

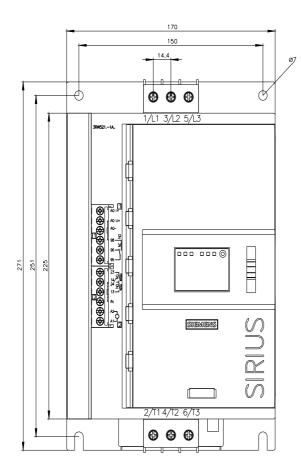
	400				
for main current circuit	100 ms				
• for control circuit	100 ms				
insulation voltage rated value	600 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 600 V				
service factor	1				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for safe isolation					
between main and auxiliary circuit					
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 intrincip dowing protection	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 No				
via software parameterizable					
via software configurable	Yes				
PROFlenergy	Yes; in connection with the PROFINET Standard communication module				
• firmware update	Yes				
 removable terminal for control circuit 	Yes				
torgue 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 	38 A				
 at 50 °C rated value 	33.5 A				
 at 60 °C rated value 	30.5 A				
operational current at inside-delta circuit					
 at 40 °C rated value 	65.8 A				
● at 50 °C rated value	58 A				
 at 60 °C rated value 	52.8 A				
operating voltage					
rated value	200 600 V				
 at inside-delta circuit rated value 	200 600 V				
relative negative tolerance of the operating voltage	-15 %				
relative positive tolerance of the operating voltage	10 %				
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %				
relative positive tolerance of the operating voltage at inside-delta circuit	10 %				
operating power for 3-phase motors					
• at 230 V at 40 °C rated value	11 kW				
 at 230 V at inside-delta circuit at 40 °C rated value 	18.5 kW				
 at 400 V at 40 °C rated value 	18.5 kW				
 at 400 V at inside-delta circuit at 40 °C rated value 	30 kW				
 at 500 V at 40 °C rated value 	22 kW				

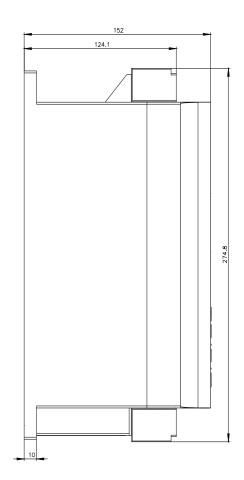
 at 500 V at inside-delta circuit at 40 °C rated value 	37 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
 at rotary coding switch on switch position 1 	15.5 A
 at rotary coding switch on switch position 2 	17 A
 at rotary coding switch on switch position 3 	18.5 A
 at rotary coding switch on switch position 4 	20 A
 at rotary coding switch on switch position 5 	21.5 A
 at rotary coding switch on switch position 6 	23 A
 at rotary coding switch on switch position 7 	24.5 A
 at rotary coding switch on switch position 8 	26 A
 at rotary coding switch on switch position 9 	27.5 A
 at rotary coding switch on switch position 10 	29 A
 at rotary coding switch on switch position 11 	30.5 A
 at rotary coding switch on switch position 12 	32 A
 at rotary coding switch on switch position 13 	33.5 A
 at rotary coding switch on switch position 14 	35 A
 at rotary coding switch on switch position 15 	36.5 A
 at rotary coding switch on switch position 16 	38 A
• minimum	15.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on 	26.8 A
switch position 1	20.4.4
 for inside-delta circuit at rotary coding switch on switch position 2 	29.4 A
 for inside-delta circuit at rotary coding switch on 	32 A
switch position 3	
 for inside-delta circuit at rotary coding switch on 	34.6 A
switch position 4	
 for inside-delta circuit at rotary coding switch on 	37.2 A
switch position 5	
 for inside-delta circuit at rotary coding switch on switch position 6 	39.8 A
switch position 6 • for inside-delta circuit at rotary coding switch on	42.4 A
switch position 7	42.4 A
 for inside-delta circuit at rotary coding switch on 	45 A
switch position 8	
 for inside-delta circuit at rotary coding switch on 	47.6 A
switch position 9	
 for inside-delta circuit at rotary coding switch on 	50.2 A
switch position 10	
 for inside-delta circuit at rotary coding switch on switch position 11 	52.8 A
 for inside-delta circuit at rotary coding switch on 	55.4 A
switch position 12	55.4 A
 for inside-delta circuit at rotary coding switch on 	58 A
switch position 13	
 for inside-delta circuit at rotary coding switch on 	60.6 A
switch position 14	
 for inside-delta circuit at rotary coding switch on 	63.2 A
switch position 15	05.0.4
 for inside-delta circuit at rotary coding switch on switch position 16 	65.8 A
at inside-delta circuit minimum	26.8 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	23 W
• at 50 °C after startup	22 W
• at 60 °C after startup	21 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	628 W
• at 50 °C during startup	526 W
• at 60 °C during startup	464 W
Control circuit/ Control	

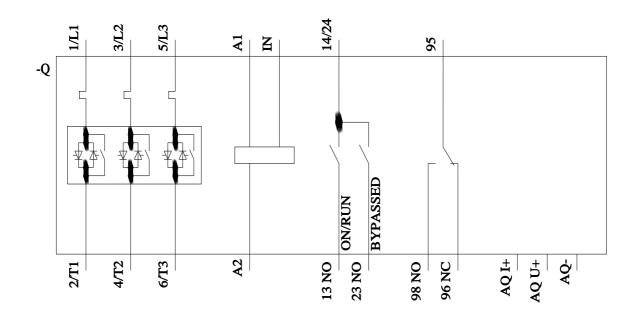
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz	110 250 V			
• at 60 Hz	110 250 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %			
relative 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			
inrush current peak at application of control supply voltage	12.2 A			
maximum				
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 canacity current of the relay outputs				
switching capacity current of the relay outputs	3 4			
• at AC-15 at 250 V rated value	3 A 1 A			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value 	3 A 1 A			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm			
• 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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm			
 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm			
 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm			
 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm			
 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm			
 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm			
 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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging Connections/ Terminals type of electrical connection	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg			
 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 for main current circuit 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals			
 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 for main current circuit for control circuit 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg			
 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 for main current circuit for control circuit type of connectable conductor cross-sections 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals			
 at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting forwards backwards upwards at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit for connectable conductor cross-sections for main contacts 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals			
 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 for control circuit type of connectable conductor cross-sections for main contacts – solid 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²)			
 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 for main current circuit for control circuit type of connectable conductor cross-sections for main contacts – solid – finely stranded with core end processing 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)			
 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 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²)			
 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 for main current circuit for control circuit type of connectable conductor cross-sections of main current circuit solid type of connectable conductor cross-sections 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8)			
 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 for main current circuit for control circuit type of connectable conductor cross-sections for main current circuit solid type of connectable conductor cross-sections for main current circuit solid 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 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) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$			
 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 for main current circuit for control circuit type of connectable conductor cross-sections 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8)			
 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 for main current circuit for control circuit type of connectable conductor cross-sections 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 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) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$			
 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 for main current circuit for control circuit type of connectable conductor cross-sections 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 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 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) $1x (0.5 4.0 mm^2), 2x (0.5 2.5 mm^2)$			

 between soft starter and motor maximum at the digital inputs at AC maximum 	800 m 100 m		
tightening torque			
for main contacts with screw-type terminals	2 2.5 N·m		
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m		
terminals			
 tightening torque [lbf·in] for main contacts with screw-type terminals 	18 22 lbf·in		
 for main contacts with screw-type terminals 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 mist), 3S2 (sand must not get into the devices), 3M6		
 during storage according to IEC 60721 	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	Yes		
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: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
 — usable for High Faults at 460/480 V according to UL 	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA		
 — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA		
 — usable for High Faults at 460/480 V at inside- delta circuit according to UL 	Siemens type: 3VA51, max. 60 A; lq max = 65 kA		
 — usable for Standard Faults at 575/600 V according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
 usable for Standard Faults at 575/600 V at inside-delta circuit according to UL of the fuse 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
 Of the fuse — usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 150 A; Iq = 5 kA		
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 150 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. 150 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. 150 A; lq = 100 kA		
operating power [hp] for 3-phase motors	10 hz		
 at 220/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	10 hp		
 at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value 	10 hp 20 hp		
• at 575/600 V at 50 °C rated value	30 hp		
at 200/208 V at inside-delta circuit at 50 °C rated value	15 hp		
 at 220/230 V at inside-delta circuit at 50 °C rated value 	20 hp		
 at 460/480 V at inside-delta circuit at 50 °C rated value 	40 hp		
• at 575/600 V at inside-delta circuit at 50 °C rated value	50 hp		

contract voting of ou			R300-B300			
contact rating of auxiliary contacts according to UL		R300-B	300	_		
Safety related data protection class IP on the front according to IEC		IP20				
60529		-				
•	the front according t	o IEC 60529	Ŭ	afe, for vertical con		
electromagnetic co			in accor	rdance with IEC 60	947-4-2	
Certificates/ approva General Product A		_				EMC
General Product A	pprovai					EIWIC
SP SA	<u>Confirmation</u>)	(ال س	EAC	RCM
Declaration of Con	formity	Test Certifica	ates I	Marine / Shipping		
CE EG-Konf.	UK CA	<u>Type Test Ce</u> ates/Test Re		ABS		Lloydis Register uxs
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=3RW5217-1AC15						
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-1AC15 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-1AC15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5217-1AC15⟨=en						
Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-1AC15/char Characteristic: Installation altitude						
Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-1AC15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917						







1/15/2023

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