SIEMENS

Data sheet

3RW5216-3AC15



SIRIUS soft starter 200-600 V 32 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 	<u>3RW5980-0HS00</u>
 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 	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	<u>3RV2032-4VA10;</u> Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3RV2032-4JA10;</u> Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4JA10;</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>3NE1818-0;</u> Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8022-1;</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	

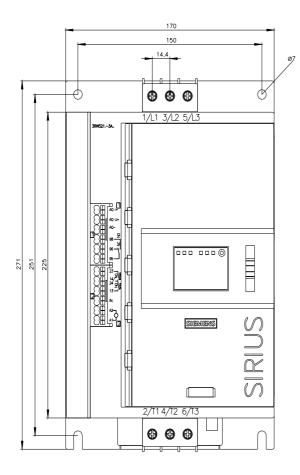
e for main ourrant aircuit	100 ms			
 for main current circuit for control circuit 				
	100 ms			
insulation voltage rated value	600 V 3. acc. to IEC 60047.4.2			
degree of pollution impulse voltage rated value	3, acc. to IEC 60947-4-2 6 kV			
blocking voltage of the thyristor maximum	6 KV 1 600 V			
service factor	1 600 V 1			
surge voltage resistance rated value	1 6 kV			
maximum permissible voltage for safe isolation	6 KV			
between main and auxiliary circuit	600 V			
shock resistance				
vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting			
utilization category according to IEC 60947-4-2	15 mm to 6 Hz; 2g to 500 Hz 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				
• at 40 °C rated value	32 A			
• at 50 °C rated value	28.4 A			
• at 60 °C rated value	26 A			
operational current at inside-delta circuit				
• at 40 °C rated value	55.4 A			
• at 50 °C rated value	49 A			
at 60 °C rated value	45 A			
operating voltage	000 000 1/			
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 relative negative tolerance of the operating voltage at	10 % -15 %			
inside-delta circuit	- 13 %			
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	7.5 kW			
• at 230 V at inside-delta circuit at 40 °C rated value	15 kW			
• at 400 V at 40 °C rated value	15 kW			
 at 400 V at inside-delta circuit at 40 °C rated value 	22 kW			
• at 500 V at 40 °C rated value	18.5 kW			

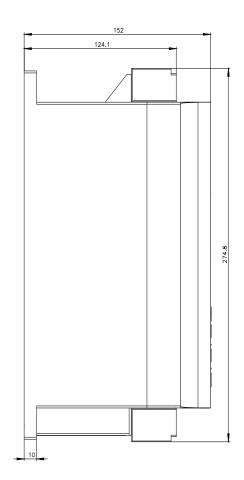
 at 500 V at inside-delta circuit at 40 °C rated value 	30 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
adjustable motor current	
 at rotary coding switch on switch position 1 	14 A
 at rotary coding switch on switch position 2 	15.2 A
 at rotary coding switch on switch position 3 	16.4 A
 at rotary coding switch on switch position 4 	17.6 A
 at rotary coding switch on switch position 5 	18.8 A
 at rotary coding switch on switch position 6 	20 A
 at rotary coding switch on switch position 7 	21.2 A
 at rotary coding switch on switch position 8 	22.4 A
 at rotary coding switch on switch position 9 	23.6 A
 at rotary coding switch on switch position 10 	24.8 A
 at rotary coding switch on switch position 11 	26 A
 at rotary coding switch on switch position 12 	27.2 A
 at rotary coding switch on switch position 13 	28.4 A
 at rotary coding switch on switch position 14 	29.6 A
 at rotary coding switch on switch position 15 	30.8 A
• at rotary coding switch on switch position 16	32 A
• minimum	14 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	24.2 A
 for inside-delta circuit at rotary coding switch on switch position 2 	26.3 A
 for inside-delta circuit at rotary coding switch on switch position 3 	28.4 A
 for inside-delta circuit at rotary coding switch on switch position 4 	30.5 A
 for inside-delta circuit at rotary coding switch on switch position 5 	32.6 A
 for inside-delta circuit at rotary coding switch on switch position 6 	34.6 A
 for inside-delta circuit at rotary coding switch on switch position 7 	36.7 A
 for inside-delta circuit at rotary coding switch on switch position 8 	38.8 A
 for inside-delta circuit at rotary coding switch on switch position 9 	40.9 A
 for inside-delta circuit at rotary coding switch on switch position 10 	43 A
 for inside-delta circuit at rotary coding switch on switch position 11 	45 A
 for inside-delta circuit at rotary coding switch on switch position 12 	47.1 A
 for inside-delta circuit at rotary coding switch on switch position 13 	49.2 A
 for inside-delta circuit at rotary coding switch on switch position 14 	51.3 A
 for inside-delta circuit at rotary coding switch on switch position 15 	53.3 A
 for inside-delta circuit at rotary coding switch on switch position 16 	55.4 A
 at inside-delta circuit minimum 	24.2 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 	22 W
• at 50 °C after startup	21 W
• at 60 °C after startup	20 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	531 W
• at 50 °C during startup	449 W
• at 60 °C during startup	395 W
Control circuit/ Control	

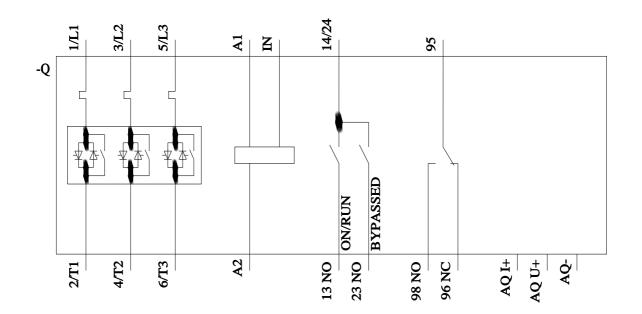
type of voltage of the control supply voltage	AC			
control supply voltage at AC				
• at 50 Hz	110 250 V			
• at 60 Hz	110 250 V			
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %			
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %			
relative 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	2.2 ms			
supply voltage				
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				
Switching capacity current of the felay outputs				
• at AC-15 at 250 V rated value	3 A			
	3 A 1 A			
• at AC-15 at 250 V rated value				
 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	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 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 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 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 5 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 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 downwards 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 spring-loaded 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 for 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 spring-loaded 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 10 mm 75 mm 5 mm 2.3 kg screw-type terminals spring-loaded 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)			
 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 spring-loaded 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 spring-loaded terminals $2x (1.0 2.5 mm^2), 2x (2.5 10 mm^2)$ 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 	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 spring-loaded 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) $2x (0.25 1.5 mm^2)$			
 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 of main contacts – solid – finely stranded with core end processing at AWG cables for 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 spring-loaded 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) $2x (0.25 1.5 mm^2)$			
 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 spring-loaded 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) $2x (0.25 1.5 mm^2)$			
 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 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 spring-loaded 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) $2x (0.25 1.5 mm^2)$			

wire length				
between soft starter and motor maximum	800 m			
 at the digital inputs at AC maximum 	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	0.0 1.2 10111			
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			
	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			
e during transport according to IEC 60724	not get inside the devices), 1M4			
 during transport according to IEC 60721 EMC emitted interference 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A			
	acu. 10 IEU 00347-4-2. Ulass 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	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA			
according to UL	Sigmono type: $2D/2742$ may 40 Å or $2V/454$ may 60 Å; is may = 65			
— 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. 100 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. 100 A; Iq = 5 kA			
— usable for Standard Faults at 575/600 V at	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA			
inside-delta circuit according to UL				
of the fuse				
— usable for Standard Faults up to 575/600 V according to UL	Type: Class RK5 / K5, max. 125 A; lq = 5 kA			
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 125 A; lq = 100 kA			
	Type: Class RK5 / K5, max. 125 A; lq = 5 kA			
— usable for High Faults at inside-delta circuit up	Type: Class J / L, max. 125 A; lq = 100 kA			
to 575/600 V according to UL				
 operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 	7.5 hp			
 at 220/200 V at 50 °C rated value at 220/230 V at 50 °C rated value 	7.5 hp 10 hp			
• at 460/480 V at 50 °C rated value	20 hp			
• at 575/600 V at 50 °C rated value				
 at 200/208 V at inside-delta circuit at 50 °C rated 	25 hp			
• at 200/208 V at inside-delta circuit at 50 °C rated value	25 hp 15 hp			
 value at 220/230 V at inside-delta circuit at 50 °C rated value 	25 hp 15 hp 15 hp			
 value at 220/230 V at inside-delta circuit at 50 °C rated 	25 hp 15 hp			

value						
	uxiliary contacts accore	ding to UL	R300-	-B300		
Safety related data	•					
protection class IP 60529	on the front according	to IEC	IP20			
	n the front according to	DIEC 60529	finger	-safe, for vertical cont	act from the front	
electromagnetic co	-		-	ordance with IEC 609		
Certificates/ approva	als					
General Product A						EMC
(SP) Car	Confirmation				EHC	RCM
Declaration of Cor	nformity	Test Certifica	ates	Marine / Shipping		
UK CA	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re		ABS	BUREAU VERITAS	Llovd's Register uis
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=3RW5216-3AC15						
Cax online generator <u>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5216-3AC15</u> Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.inductor.siemens.com/cs/ww/on/ps/3PW5216_3AC15						
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-3AC15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5216-3AC15⟨=en						
Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-3AC15/char						
Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5216-3AC15&objecttype=14&gridview=view1						
Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917						







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