SIEMENS

Data sheet

3RW5515-3HA05



SIRIUS soft starter 200-600 V 25 A, 24 V AC/DC spring-type terminals

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFINET high-feature usable 	<u>3RW5950-0CH00</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 	3RV2032-4EA10; 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 	<u>3RV2032-4VA10; Type of coordination 1, Iq = 15 kA, CLASS 10</u>
 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 	<u>3NA3822-6; Type of coordination 1, Iq = 65 kA</u>
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1817-0; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8021-1: Type of coordination 2. Iq = 65 kA</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3

accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	
CE marking	Yes
 UL approval 	Yes
CSA approval	Yes
product component	
 HMI-High Feature 	Yes
 is supported HMI-High Feature 	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
recovery time after overload trip adjustable	60 1 800 s
buffering time in the event of power failure	
 for main current circuit 	100 ms
for control circuit	100 ms
idle time adjustable	0 255 s
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	1.15
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V; does not apply for thermistor connection
utilization category acc. to IEC 60947-4-2	AC 53a
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	15.02.2018 00:00:00
Substance Prohibitance (Date) product function	15.02.2018 00:00:00
Substance Prohibitance (Date) product function • ramp-up (soft starting)	
Substance Prohibitance (Date) product function	15.02.2018 00:00:00
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse	15.02.2018 00:00:00 Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation	15.02.2018 00:00:00 Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation	15.02.2018 00:00:00 Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection	15.02.2018 00:00:00 Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection	15.02.2018 00:00:00 Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection	15.02.2018 00:00:00Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.Yes; Type A PTC or Klixon / Thermoclick
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor of thermistor motor protection	15.02.2018 00:00:00 Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET	15.02.2018 00:00:00 Yes Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit. Yes; Type A PTC or Klixon / Thermoclick Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET	15.02.2018 00:00:00Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.Yes; Type A PTC or Klixon / ThermoclickYesYesYesYes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • auto-RESET • remote reset	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • motor ellat circuit • auto-RESET • manual RESET • remote reset • communication function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • auto-RESET • remote reset • communication function	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • auto-RESET • remote reset • communication function • operating measured value display • event list	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • inside-delta circuit • auto-RESET • remote reset • communication function • operating measured value display • event list • error logbook	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection • motor overload protection • motor RESET • remote reset • communication function • operating measured value display • event list • error logbook • via software parameterizable	15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes

spring-type terminal	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-
• FROHenergy	Feature communication modules
• firmware update	Yes
 removable terminal for control circuit 	Yes
voltage ramp	Yes
torque control	Yes
combined braking	Yes
analog output	Yes; 4 20 mA (default) / 0 10 V
 programmable control inputs/outputs 	Yes
condition monitoring	Yes
automatic parameterisation	Yes
	Yes
application wizards	
alternative run-down	Yes
emergency operation mode	Yes
reversing operation	Yes
 soft starting at heavy starting conditions 	Yes
Power Electronics	
operational current	
• at 40 °C rated value	25 A
 at 40 °C rated value minimum 	5 A
• at 50 °C rated value	22.3 A
• at 60 °C rated value	19.6 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 	200 600 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	-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 230 V at inside-delta circuit at 40 °C rated value 	11 kW
 at 400 V at 40 °C rated value 	11 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	18.5 kW
at 400 V at 10side-deita circuit at 40 °C rated value at 500 V at 40 °C rated value	15.5 kW
 at 500 V at 40° C rated value at 500 V at inside-delta circuit at 40 °C rated value 	15 KVV 22 kW
• at 500 V at inside-delta circuit at 40 °C rated value Operating frequency 1 rated value	50 Hz
Operating frequency 1 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative negative tolerance of the operating frequency	10 %
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	8 W
• at 50 °C after startup	7 W
• at 60 °C after startup	6 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	364 W
• at 50 °C during startup	309 W
• at 60 °C during startup	262 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC

	_
control supply voltage at AC	
 at 50 Hz rated value 	24 V
• at 60 Hz rated value	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage	
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	420 mA
holding current in bypass operation rated value	820 mA
locked-rotor current at close of bypass contact maximum	0.91 A
inrush current peak at application of control supply voltage maximum	7.5 A
duration of inrush current peak at application of control supply voltage	20 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	4
• parameterizable	4
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
 number of digital outputs 	4
 number of digital outputs parameterizable 	3
 number of digital outputs not parameterizable 	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
 at AC-15 at 250 V rated value 	3 A
• at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	10
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
at the side	5 mm
weight without packaging	2.3 kg
Connections/ Terminals type of electrical connection	

for an in a summer in the				
for main current circuit	screw-type terminals			
for control circuit	spring-loaded terminals			
 wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum 	50 m			
	50 m 150 m			
 with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum 	250 m			
type of connectable conductor cross-sections	230 111			
for main contacts				
- solid	$2x(10, 25 \text{ mm}^2), 2x(25, 10 \text{ mm}^2)$			
 — solid — finely stranded with core end processing 	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 AWG cables for main current circuit solid	2x (1.0 2.5 mm), 2x (2.5 0.0 mm)			
type of connectable conductor cross-sections	$2\lambda (10 \dots 12), 2\lambda (14 \dots 0)$			
for control circuit solid	2x (0.25 1.5 mm²)			
 for control circuit finely stranded with core end 	2x (0.25 1.5 mm ²)			
processing				
 at AWG cables for control circuit solid 	2x (24 16)			
 at AWG cables for control circuit finely stranded with 	2x (24 16)			
core end processing				
wire length				
 between soft starter and motor maximum 	800 m			
 at the digital inputs at DC maximum 	1 000 m			
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	-25 +80 °C			
environmental category				
 during operation acc. 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 acc. to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must			
	not get inside the devices), 1M4			
 during transport acc. 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			
 PROFINET high-feature 	No			
• EtherNet/IP	No			
Modbus RTU	No			
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. 80 A; Iq = 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. 80 A; lq = 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. 80 A; Iq = 5 kA			
	Siemens type: 3VA51, max. 60 A; lq max = 65 kA			
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 80 A; lq = 5 kA			
 of the fuse usable for Standard Faults up to 575/600 V 	Type: Class RK5 / K5, max. 100 A; lg = 5 kA			
	1300. 01000 11107 110, 1100 A, 14 = 0 KA			

according to						
		200.14	T 01 1/1	100	10010	
- usable for according to	High Faults up to 575/6	500 V	Type: Class J / L	., max. 100 A	Α; 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; lq = 5 kA				
— usable for	 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL 		Type: Class J / L, max. 100 A; lq = 100 kA			
] for 3-phase motors					
	t 50 °C rated value		5 hp			
	t 50 °C rated value					
	t 50 °C rated value		7.5 hp			
	t 50 °C rated value		15 hp			
		0 °C rated	20 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			
value	t inside-delta circuit at 5		25 hp			
● at 575/600 V at value	t inside-delta circuit at 5	0 °C rated	30 hp			
contact rating of au	xiliary contacts accore	ding to UL	R300-B300			
Safety related data						
protection class IP	on the front acc. to IEC	C 60529	IP20			
	the front acc. to IEC 6		finger-safe, for v	ertical conta	ct from the front	
electromagnetic cor			acc. to IEC 6094			
ATEX						
certificate of suitabi	ility					
ATEX			Yes			
• IECEx			Yes			
	TEX directive 2014/34/E		BVS 18 ATEX F	003 X		
	ccording to ATEX dire					[Ev th Dh] [Ev pyh Dh]
2014/34/EU	coording to ATEX dire	Clive	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]			
hardware fault toler ATEX	ance acc. to IEC 61508	3 relating to	0			
Safety Integrity Leve to ATEX	el (SIL) acc. to IEC 615	08 relating	SIL1			
Certificates/ approval						
oertincates/ approval						
		_				For use in hazard-
General Product Ap					EMC	For use in hazard- ous locations
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		۹	EF	1[EMC EMC RCM	
		(U) UL	EF	10	EMC ECM	
General Product Ap		۹	EF	1[EMC RCM	
General Product Ap	oproval	UL UL			EMC ECM	
General Product Ap		UL UL			EMC ECM	
General Product Ap	oproval		ates Marine /		EMC ECM	
General Product Ap	oproval	Test Certifica	ates Marine /		EMC ECM	
General Product Ap	Declaration of Conformity	Type Test Ce	ates Marine /		EMC ECM	ous locations
General Product Ap	oproval	Type Test Ce	ates Marine /	Shipping		
General Product Ap	Declaration of Conformity	Type Test Ce	ates Marine /	Shipping	EMC ECM	ous locations
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General Product Ap	Declaration of Conformity	Type Test Ce ates/Test Re other	ates Marine /	Shipping	EMC ECM	ous locations
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General Product Ap	Declaration of Conformity	Type Test Ce ates/Test Re other	ates Marine /	Shipping	EMC ECM	ous locations
General Product Ap	oproval CCC Declaration of Conformity CCE EG-Konf.	Type Test Ce ates/Test Re other	ates Marine /	Shipping	EMC RCM	ous locations
General Product Ap	Declaration of Conformity CCC EG-Konf.	Type Test Ce ates/Test Re other	ates Marine /	Shipping	EMC	ous locations

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=3RW5515-3HA05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5515-3HA05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5515-3HA05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5515-3HA05&lang=en

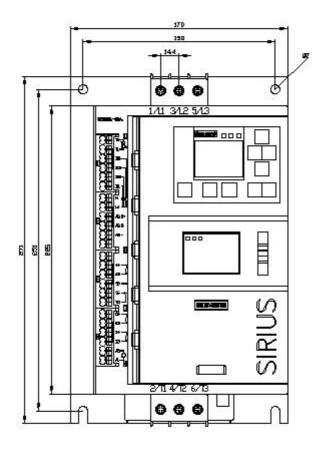
Characteristic: Tripping characteristics, I²t, Let-through current

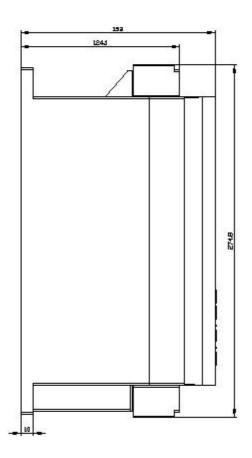
https://support.industry.siemens.com/cs/ww/en/ps/3RW5515-3HA05/char

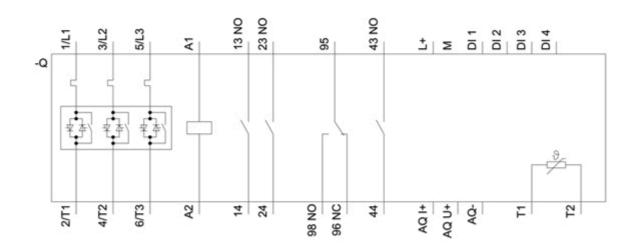
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5515-3HA05&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







last modified:

3/9/2021 🖸