## SIEMENS

## Data sheet

## 3RW5513-3HA05



SIRIUS soft starter 200-600 V 13 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	
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3820-6: Type of coordination 1. Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3820-6; Type of coordination 1, Iq = 65 kA</u>
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1815-0; Type of coordination 2, Iq = 65 kA</u>
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE8017-1: 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> <li>UL approval</li> </ul>	Yes
CSA approval	Yes
product component	
<ul> <li>HMI-High Feature</li> </ul>	Yes
<ul> <li>is supported HMI-High Feature</li> </ul>	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	
<ul> <li>for main current circuit</li> </ul>	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	
<ul> <li>between main and auxiliary circuit</li> </ul>	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
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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         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
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-
• FROMENERGY	Feature communication modules
<ul> <li>firmware update</li> </ul>	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
voltage ramp	Yes
torque control	Yes
combined braking	Yes
analog output	Yes; 4 20 mA (default) / 0 10 V
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes
condition monitoring	Yes
-	
automatic parameterisation	Yes
application wizards	Yes
alternative run-down	Yes
emergency operation mode	Yes
reversing operation	Yes
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes
Power Electronics	
operational current	
• at 40 °C rated value	13 A
<ul> <li>at 40 °C rated value minimum</li> </ul>	2.5 A
• at 50 °C rated value	11.5 A
• at 60 °C rated value	10.5 A
operational current at inside-delta circuit	
<ul> <li>at 40 °C rated value</li> </ul>	22.5 A
• at 50 °C rated value	19.9 A
• at 60 °C rated value	18.2 A
operating voltage	
rated value	200 600 V
<ul> <li>at inside-delta circuit rated value</li> </ul>	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	10 %
inside-delta circuit	
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	3 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	5.5 kW
• at 400 V at 40 °C rated value	5.5 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	11 kW
• at 500 V at 40 °C rated value	7.5 kW
• at 500 V at inside-delta circuit at 40 °C rated value	15 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 %
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	
• at 40 °C after startup	4 W
• at 50 °C after startup	3 W
• at 60 °C after startup	3 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	198 W
• at 50 °C during startup	166 W
• at 60 °C during startup	148 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
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control supply voltage at AC	
<ul> <li>at 50 Hz rated value</li> </ul>	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
<ul> <li>number of digital outputs</li> </ul>	4
<ul> <li>number of digital outputs parameterizable</li> </ul>	3
<ul> <li>number of digital outputs not parameterizable</li> </ul>	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	
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	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 main current circuit	screw-type terminals
for control circuit	spring-loaded terminals
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm <sup>2</sup> maximum	50 m
• with conductor cross-section = 1.5 mm <sup>2</sup> maximum	150 m
• with conductor cross-section = 2.5 mm <sup>2</sup> maximum	250 m
type of connectable conductor cross-sections	
<ul> <li>for main contacts</li> </ul>	
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>for control circuit finely stranded with core end</li> </ul>	2x (0.25 1.5 mm²)
processing	
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)
<ul> <li>at AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)
core end processing	
wire length	000
between soft starter and motor maximum	800 m
<ul> <li>at the digital inputs at DC maximum</li> </ul>	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	
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or
	above
during storage and transport	-25 +80 °C
environmental category	
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
	not get inside the devices), 1M4
<ul> <li>during transport acc. to IEC 60721</li> </ul>	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	
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA
<ul> <li>— usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA
<ul> <li>usable for High Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA
of the fuse	
— usable for Standard Faults up to 575/600 V	Type: Class RK5 / K5, max. 50 A; Iq = 5 kA

according to			-	0 1/1 50		
according to				Class J / L, max. 50 /		
— 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				
		Type: Class J / L, max. 50 A; lq = 100 kA				
operating power [hp	o] for 3-phase motors					
<ul> <li>at 200/208 V at</li> </ul>	t 50 °C rated value		2 hp			
<ul> <li>at 220/230 V at</li> </ul>	t 50 °C rated value		3 hp			
<ul> <li>at 460/480 V at</li> </ul>	t 50 °C rated value		7.5 hp			
• at 575/600 V at	t 50 °C rated value		10 hp			
<ul> <li>at 200/208 V at value</li> </ul>	t inside-delta circuit at 5	0 °C rated	5 hp			
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>		5 hp				
● at 460/480 V at value	t inside-delta circuit at 5	0 °C rated	10 hp			
	t inside-delta circuit at 5	0 °C rated	15 hp			
contact rating of au	xiliary contacts accore	ding to UL	R300	-B300		
Safety related data						
	on the front acc. to IEC	C 60529	IP20			
touch protection on	the front acc. to IEC 6	60529	finger	-safe, for vertical cont	act from the front	
electromagnetic cor			-	o IEC 60947-4-2		
ATEX						
certificate of suitabi	ility		_			
ATEX	inty interview.		Yes			
IECEx			Yes			
	TEX directive 2014/24/E			18 ATEX F 003 X		
	TEX directive 2014/34/E		-			
type of protection according to ATEX directive 2014/34/EU		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]				
			_	ן נוא מט אבון (		
hardware fault toler	ance acc. to IEC 61508		0	ן [Ex מט אוט]		
hardware fault toler ATEX Safety Integrity Leve to ATEX	el (SIL) acc. to IEC 615		_	ן נבא מט ואטן		
hardware fault toler ATEX Safety Integrity Leve	el (SIL) acc. to IEC 615		0	ן נבא מט ואטן		
hardware fault toler ATEX Safety Integrity Leve to ATEX	el (SIL) acc. to IEC 615 Is		0	ן (EX OD MD)	EMC	For use in hazard- ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval	el (SIL) acc. to IEC 615 Is		0	ן (דא מס אס)	EMC	
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval	el (SIL) acc. to IEC 615 Is		0		EMC	
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hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval	el (SIL) acc. to IEC 615 Is		0	ERC	EMC EMC RCM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval	el (SIL) acc. to IEC 615 Is		0	EAC	EMC ECM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap	el (SIL) acc. to IEC 615 Is oproval		0	ERC	EMC ECM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 oproval		0 SIL1	The second secon	EMC ECM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap	el (SIL) acc. to IEC 615 Is oproval	508 relating	0 SIL1	EAC	EMC ECC RCM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 oproval	508 relating	0 SIL1	EAC	EMC ECC RCM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 oproval	508 relating	0 SIL1	EAC	EMC ECM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 pproval CCC Declaration of Conformity C E	i08 relating	0 SIL1	EAC	EMC ECM	OUS locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 oproval	i08 relating	0 SIL1	EAC	RCM	ous locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 pproval CCC Declaration of Conformity C E	i08 relating	0 SIL1	EAC	EMC ECM RCM	OUS locations
hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap Certificates/ approval	el (SIL) acc. to IEC 615 pproval CCC Declaration of Conformity C E	i08 relating	0 SIL1	EAC	RCM	OUS locations
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hardware fault toler ATEX Safety Integrity Leve to ATEX Certificates/ approval General Product Ap ECE For use in hazard- ous locations	el (SIL) acc. to IEC 615	508 relating	o SIL1	EAC	RCM	OUS locations

## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...) <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5513-3HA05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5513-3HA05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5513-3HA05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5513-3HA05&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5513-3HA05&lang=en</a>

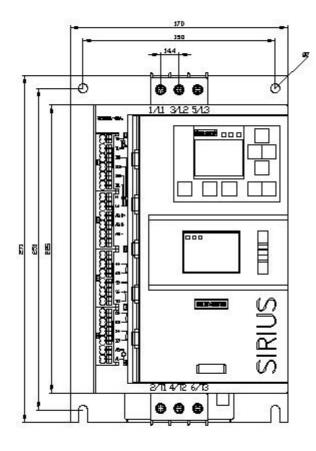
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

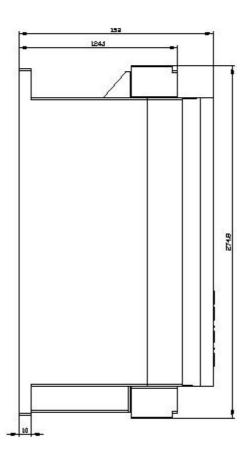
https://support.industry.siemens.com/cs/ww/en/ps/3RW5513-3HA05/char

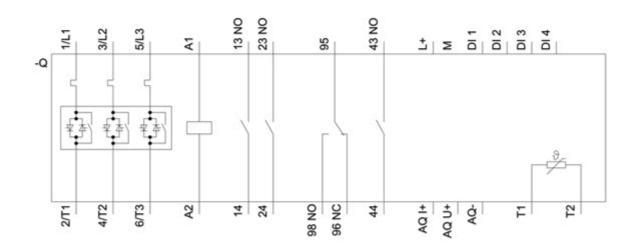
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5513-3HA05&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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