## SIEMENS

## Data sheet

## 3RW5513-3HA15



SIRIUS soft starter 200-600 V 13 A, 110-250 V AC 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>	<u>3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10</u>
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	<u>3RV2032-4DA10; Type of coordination 1, Iq = 18 kA, CLASS 10</u>
<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
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
•	Yes
application wizards	
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
<ul> <li>at 50 °C rated value</li> </ul>	19.9 A
• at 60 °C rated value	18.2 A
operating voltage	
<ul> <li>rated value</li> </ul>	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 inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	3 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	5.5 kW
<ul> <li>at 230 V at inside-delta circuit at 40°C rated value</li> <li>at 400 V at 40 °C rated value</li> </ul>	5.5 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	11 kW
at 400 V at 10 °C rated value     at 500 V at 40 °C rated value	7.5 kW
<ul> <li>at 500 V at 40° C rated value</li> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	7.5 KW 15 kW
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	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 %	
	198 W
• at 40 °C during startup	
• 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

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	100 mA
holding current in bypass operation rated value	165 mA
locked-rotor current at close of bypass contact maximum	0.2 A
inrush current peak at application of control supply voltage maximum	43 A
duration of inrush current peak at application of control supply voltage	1.6 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
number of digital outputs parameterizable	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
<ul> <li>upwards</li> <li>downwards</li> </ul>	100 mm
downwards     at the side	75 mm 5 mm
• at the side 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	
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
<ul> <li>with conductor cross-section = 1.5 mm² maximum</li> </ul>	150 m

with conductor cross-section = 2.5 mm <sup>2</sup> maximum     type of connectable conductor cross-sections	250 m
type of connectable conductor cross-sections	
for main contacts	
— 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 mm <sup>2</sup> ), 2x (2.5 6.0 mm <sup>2</sup> )
<ul> <li>at AWG cables for main current circuit solid</li> </ul>	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 processing</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 solid</li> <li>at AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16) 2x (24 16)
core end processing	
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	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
<ul> <li>during storage and transport</li> </ul>	-25 +80 °C
environmental category	-25 +60 C
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
<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
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, Class B on request
Communication/ Protocol	
<ul> <li>communication module is supported</li> <li>PROFINET standard</li> </ul>	Vee
PROFINET standard     PROFINET high-feature	Yes No
EtherNet/IP	No
Modbus RTU	No
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
manufacturer's article number • of circuit breaker	
	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
<ul> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for High Faults at 460/480 V according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V according to UL</li> <li>usable for High Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V</li> </ul> </li> </ul>	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA

operating power [hp] for 3-phase motors				
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	2 hp			
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	3 hp			
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	7.5 hp	D		
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>	10 hp	•		
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	5 hp			
• at 220/230 V at inside-delta circuit at 50 °C rated value	5 hp			
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	10 hp	)		
<ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp	15 hp		
contact rating of auxiliary contacts according to UL	R300	-B300		
Safety related data				
protection class IP on the front acc. to IEC 60529	IP20			
touch protection on the front acc. to IEC 60529	finger	r-safe, for vertical cont	tact from the front	
electromagnetic compatibility	-	o IEC 60947-4-2		
ATEX				
ertificate of suitability • ATEX	Vee			
	Yes			
• IECEX	Yes			
according to ATEX directive 2014/34/EU	-	18 ATEX F 003 X		
type of protection according to ATEX directive 2014/34/EU	I (M2)	G [Ex eb Gb] [Ex db G ) [Ex db Mb]	b] [Ex pxb Gb], II (2)D	[Ex tb Db] [Ex pxb Db],
hardware fault tolerance acc. to IEC 61508 relating to ATEX	0			
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX	SIL1			
Certificates/ approvals				
Conoral Product Approval				E a succession de la second
General Product Approval			EMC	For use in hazard- ous locations
		rnr	EMC	
		EAC		
<b>()</b>		EAC		
<b>()</b>	ates	<b>ERE</b> Marine / Shipping		
For use in hazard- Declaration of Tost Cortific	ates	<b>ERIC</b> Marine / Shipping		
For use in hazard- ous locations Declaration of Conformity Test Certification	ertific-	ERC Marine / Shipping		
For use in hazard- ous locations Declaration of Conformity Test Certification	ertific-	ERC Marine / Shipping		
For use in hazard- ous locations Declaration of Conformity Test Certification Conformity Type Test Certification Certification Conformity Type Test Certification Certification Certification	ertific-	ERC Marine / Shipping	EMC	ous locations
For use in hazard- ous locations Declaration of Conformity Test Certification	ertific-	ERE Marine / Shipping		
For use in hazard- ous locations Declaration of Conformity Test Certific: Type Test Certific: Type Test Certific: Type Test Certific:	ertific-	ERIC Marine / Shipping		ous locations
For use in hazard- ous locations Declaration of Conformity Test Certific: Type Test Certific: Type Test Certific: Type Test Certific:	ertific-	ERC Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations Declaration of Conformity Test Certific: Type Test Certific: Type Test Certific: Type Test Certific:	ertific-	ERC Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations Declaration of Conformity Test Certific: ECEx EG-Konf, Type Test Ce ates/Test Re	ertific-	ERC Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations       Declaration of Conformity       Test Certification         For use in hazard- ous locations       Declaration of Conformity       Test Certification         For use in hazard- ous locations       Declaration of Conformity       Test Certification         For use in hazard- ous locations       Declaration of Conformity       Type Test Certification         For use in hazard- ous locations       ECEN       ECEN	ertific- eport	ERC Marine / Shipping	EMC RCM UREAU VERITAS	ous locations
For use in hazard- ous locations Declaration of Conformity Test Certific: Test Certific: Type Test Certific: Type Test Certific: Second   ECEx ECEx ECEx	ertific- eport	ERC Marine / Shipping	EMC RCM UREAU VERITAS	ous locations
For use in hazard-ous locations Declaration of Conformity   Test Certification   Image: Second structure   Image: Second str	ertific- eport	ERC Marine / Shipping	EMC RCM UREAU VERITAS	ous locations

Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5513-3HA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5513-3HA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5513-3HA15&lang=en

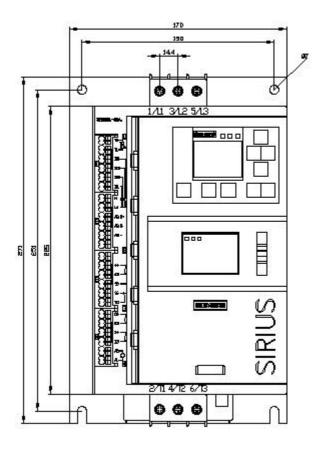
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

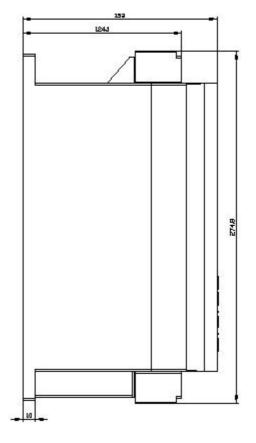
https://support.industry.siemens.com/cs/ww/en/ps/3RW5513-3HA15/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5513-3HA15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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