## SIEMENS

## Data sheet

## 3RW5514-3HA15



SIRIUS soft starter 200-600 V 18 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>	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 15 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	<u>3RV2032-4EA10; 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>3RV2032-4EA10; Type of coordination 1, Iq = 15 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>3NE1802-0; 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>3NE8020-1: 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 voltage [70] adjustable			
breakaway voltage [//j adjustable	0 2 s		

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			
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         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					
• FROHEnergy	Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules				
• firmware update	Yes				
<ul> <li>removable terminal for control circuit</li> </ul>	Yes				
voltage ramp	Yes				
torque control	Yes				
combined braking	Yes				
analog output					
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes; 4 20 mA (default) / 0 10 V				
condition monitoring	Yes				
automatic parameterisation	Yes				
	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	18 A				
<ul> <li>at 40 °C rated value minimum</li> </ul>	3.5 A				
• at 50 °C rated value	15.9 A				
• at 60 °C rated value	13.8 A				
operational current at inside-delta circuit					
<ul> <li>at 40 °C rated value</li> </ul>	31.5 A				
<ul> <li>at 50 °C rated value</li> </ul>	28 A				
● at 60 °C rated value	23.9 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	4 kW				
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	7.5 kW				
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	7.5 kW				
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	15 kW				
<ul> <li>at 400 V at this de-delta circuit at 40 C rated value</li> <li>at 500 V at 40 °C rated value</li> </ul>	13 KW 11 kW				
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	18.5 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	5 W				
• at 50 °C after startup	5 W				
• at 60 °C after startup	4 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	266 W				
• at 50 °C during startup	200 W 229 W				
• at 60 °C during startup	229 W 188 W				
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor				
Control circuit/ Control					
	AC				
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 mm<sup>2</sup> maximum</li> </ul>	150 m		

<ul> <li>with conductor cross-section = 2.5 mm<sup>2</sup> maximum</li> </ul>	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</li> </ul>	2x (0.25 1.5 mm²)				
processing	0 (04 - 40)				
<ul> <li>at AWG cables for control circuit solid</li> <li>at AWG cables for control circuit finally stranded with</li> </ul>	2x (24 16)				
<ul> <li>at AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)				
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				
• during storage and transport     environmental category	-25 +80 °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				
• during storage acc. to IEC 60721	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, Class B on request				
Communication/ Protocol	_				
e e un un constant de la constant de					
communication module is supported					
PROFINET standard	Yes				
<ul><li>PROFINET standard</li><li>PROFINET high-feature</li></ul>	Yes No				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> </ul>	No No				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> </ul>	No No				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> </ul>	No No Yes				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	No No				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> </ul>	No No Yes				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number	No No Yes				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> </ul>	No No No Yes Yes				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul> </li> </ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <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> </ul> </li> </ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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> </ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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> </ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>usable for Standard 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 <ul> <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> </ul></li></ul>	No No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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 460/480 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 High Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	No No No Yes Yes Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 30 A or $3VA51$ , max. 35 A; lq max = 65 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3V451$ , max. 35 A; lq max = 65 kA Siemens type: $3V451$ , max. 35 A; lq max = 65 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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 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 High Faults at 575/600 V at inside-delta circuit 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>	No No Yes Yes Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 30 A or $3VA51$ , max. 35 A; lq max = 65 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3VA51$ , max. 35 A; lq max = 65 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3VA51$ , max. 35 A; lq max = 65 kA Siemens type: $3VA51$ , max. 35 A; lq max = 65 kA Siemens type: $3VA51$ , max. 35 A; lq max = 65 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <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 High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>— usable for High 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> </ul>	No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 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. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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 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 575/600 V at inside-delta circuit 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>	No No Yes Yes Yes Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 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. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Siemens type: $3RV2742$ , max. 60 A or $3VA51$ , max. 60 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class J / L, max. 70 A; lq = 100 kA				
<ul> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V 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 High Faults at 460/480 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 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 up to 575/600 V at inside-delta circuit according to UL</li> </ul>	No No Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 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. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA				

to 575/600 V according to UL							
operating power [hp] for 3-phase motors							
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>		3 hp					
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>		5 hp					
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>		10 hp					
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>			10 hp				
at 200/208 V at inside-delta circuit at value			7.5 hp				
at 220/230 V at inside-delta circuit at value	• at 220/230 V at inside-delta circuit at 50 °C rated		7.5 hp				
<ul> <li>at 460/480 V at inside-delta circuit at svalue</li> </ul>	50 °C rated	20 hp					
<ul> <li>at 575/600 V at inside-delta circuit at svalue</li> </ul>	50 °C rated	25 hp					
contact rating of auxiliary contacts accord	ding to UL	R300	)-B300				
Safety related data	Ū						
protection class IP on the front acc. to IE	C 60529	IP20					
touch protection on the front acc. to IEC			r-safe, for vertical cont	act from the front			
-	00525	-					
electromagnetic compatibility		acc.	to IEC 60947-4-2				
ATEX							
certificate of suitability							
• ATEX		Yes					
• IECEx		Yes					
according to ATEX directive 2014/34/	EU	BVS	18 ATEX F 003 X				
type of protection according to ATEX dir 2014/34/EU	ective		G [Ex eb Gb] [Ex db Gl ) [Ex db Mb]	o] [Ex pxb Gb], II (2)D	[Ex tb Db] [Ex pxb Db],		
hardware fault tolerance acc. to IEC 6150 ATEX	8 relating to	0					
Safety Integrity Level (SIL) acc. to IEC 61 to ATEX	508 relating	SIL1					
Certificates/ approvals							
General Product Approval				EMC	For use in hazard- ous locations		
	(UL) II		EHC	RCM	IECE×		
For use in hazard- ous locations Declaration of Conformity	Test Certifica	tes	Marine / Shipping				
EG-Konf.	<u>Type Test Cer</u> ates/Test Rep		ABS	BUREAU	Llovd's Register uts		
Marine / Shipping	other						
PRS (DNV-GL)	<u>Confirmatio</u>	<u>n</u>					
Further information Information- and Downloadcenter (Catalo							

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=3RW5514-3HA15

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5514-3HA15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5514-3HA15&lang=en

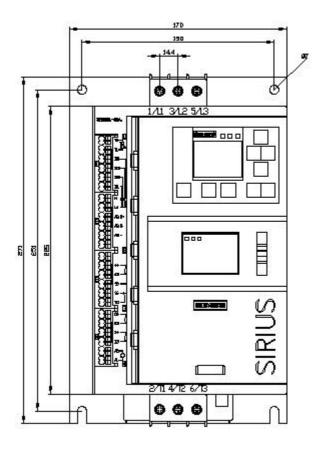
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

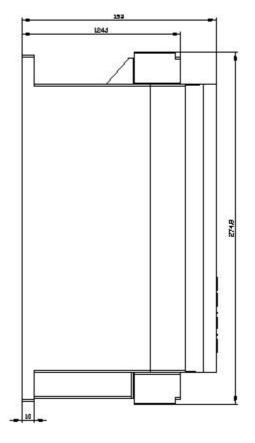
https://support.industry.siemens.com/cs/ww/en/ps/3RW5514-3HA15/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5514-3HA15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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