SIEMENS

Data sheet

3RW5517-1HA14



SIRIUS soft starter 200-480 V 38 A, 110-250 V AC Screw terminals

product brand name	SIRIUS				
product category	Hybrid switching devices				
product designation	Soft starter				
product type designation	3RW55				
manufacturer's article number					
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>				
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>				
 of communication module PROFINET high-feature usable 	<u>3RW5950-0CH00</u>				
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>				
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>				
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>				
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>				
 of circuit breaker usable at 400 V 	3RV2032-4WA10; Type of coordination 1, lq = 65 kA, CLASS 10				
 of circuit breaker usable at 500 V 	3RV2032-4WA10; Type of coordination 1, lq = 10 kA, CLASS 10				
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4RA10: Type of coordination 1. Iq = 65 kA. CLASS 10				
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10</u>				
 of the gG fuse usable up to 690 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA				
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3824-6; Type of coordination 1, Iq = 65 kA</u>				
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1820-0; Type of coordination 2, Iq = 65 kA</u>				
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8024-1: Type of coordination 2. Iq = 65 kA</u>				
Seneral technical data					
starting voltage [%]	20 100 %				
stopping voltage [%]	50 50 %				
start-up ramp time of soft starter	0 360 s				
ramp-down time of soft starter	0 360 s				
start torque [%]	10 100 %				
stopping torque [%]	10 100 %				
torque limitation [%]	20 200 %				
current limiting value [%] adjustable	125 800 %				
breakaway voltage [%] adjustable	40 100 %				
breakaway time adjustable	0 2 s				
number of parameter sets	3				

accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	
CE marking	Yes
 UL approval 	Yes
CSA approval	Yes
product component	
HMI-High Feature	Yes
 is supported HMI-High Feature 	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
recovery time after overload trip adjustable	60 1 800 s
buffering time in the event of power failure	
 for main current circuit 	100 ms
for control circuit	100 ms
idle time adjustable	0 255 s
insulation voltage rated value	480 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1.15
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	480 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
Vibration resistance	10 mm up to 0 m2, 2 g up to 500 m2
reference code acc. to IEC 81346-2	Q
reference code acc. to IEC 81346-2	Q
reference code acc. to IEC 81346-2 Substance Prohibitance (Date)	Q
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function	Q 15.02.2018 00:00:00
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting)	Q 15.02.2018 00:00:00 Yes
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop)	Q 15.02.2018 00:00:00 Yes Yes
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse	Q 15.02.2018 00:00:00 Yes Yes
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation	Q 15.02.2018 00:00:00 Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 • inside-delta circuit • auto-RESET • manual RESET	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 • manual RESET • remote reset	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 • manual RESET • remote reset • communication function	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 eletta circuit • auto-RESET • remote reset • communication function • operating measured value display • event list	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 remote reset communication function operating measured value display event list error logbook via software parameterizable	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes
reference code acc. to IEC 81346-2 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 • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes Yes Yes

 spring-type terminal 	No				
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-				
	Feature communication modules				
firmware update	Yes				
 removable terminal for control circuit 	Yes				
 voltage ramp 	Yes				
torque control	Yes				
 combined braking 	Yes				
 analog output 	Yes; 4 20 mA (default) / 0 10 V				
 programmable control inputs/outputs 	Yes				
 condition monitoring 	Yes				
 automatic parameterisation 	Yes				
 application wizards 	Yes				
 alternative run-down 	Yes				
 emergency operation mode 	Yes				
 reversing operation 	Yes				
 soft starting at heavy starting conditions 	Yes				
Power Electronics					
operational current					
• at 40 °C rated value	38 A				
 at 40 °C rated value minimum 	7.5 A				
• at 50 °C rated value	33.5 A				
• at 60 °C rated value	30.5 A				
operational current at inside-delta circuit					
 at 40 °C rated value 	65.8 A				
 at 50 °C rated value 	58 A				
● at 60 °C rated value	52.8 A				
operating voltage					
rated value	200 480 V				
 at inside-delta circuit rated value 	200 480 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 inside-delta circuit	-15 %				
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	11 kW				
 at 230 V at 40°C rated value at 230 V at inside-delta circuit at 40 °C rated value 	18.5 kW				
• at 400 V at 40 °C rated value	18.5 kW				
 at 400 V at 40 Challed value at 400 V at inside-delta circuit at 40 °C rated value 	30 kW				
Operating frequency 1 rated value	50 Hz				
Operating frequency 2 rated value	60 Hz				
relative negative tolerance of the operating frequency	-10 %				
relative 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	11 W				
• at 50 °C after startup	10 W				
• at 60 °C after startup	9 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	616 W				
• at 50 °C during startup	511 W				
• at 60 °C during startup	447 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	110 250.1/				
• 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
 number of digital outputs 	4
number of digital outputs parameterizable	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	1
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
 at DC-13 at 24 V rated value 	1 A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
• at the side	5 mm
weight without packaging	2.6 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
for control circuit	screw-type terminals
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm ² maximum	50 m
 with conductor cross-section = 1.5 mm² maximum 	150 m
• with conductor cross-section = 2.5 mm ² maximum	250 m
type of connectable conductor cross-sections	

 for main contacts 				
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)			
 finely stranded with core end processing 	2x (1.0 2.5 mm ²), 2x (2.5 6.0 mm ²)			
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)			
type of connectable conductor cross-sections				
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)			
 for control circuit finely stranded with core end 	1x (0.5 2.5 mm ²), 2x (0.5 1.5 mm ²)			
processing				
 at AWG cables for control circuit solid 	1x (20 12), 2x (20 14)			
wire length				
 between soft starter and motor maximum 	800 m			
 at the digital inputs at DC maximum 	1 000 m			
tightening torque				
 for main contacts with screw-type terminals 	2 2.5 N·m			
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m			
terminals				
 tightening torque [lbf·in] for main contacts with screw-type terminals 	18 22 lbf·in			
 for main contacts with screw-type terminals for auxiliary and control contacts with screw-type 	7 10.3 lbf in			
terminals	7 10.5 IDFII1			
Ambient conditions				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog			
ambient temperature				
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or			
	above			
 during storage and transport 	-40 +80 °C			
environmental category				
 during operation acc. to IEC 60721 	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6			
during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
• during transport acc. to IEC 60721 EMC emitted interference	-			
	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference Communication/ Protocol	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference Communication/ Protocol communication module is supported	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max.70 A or 3VA51, max. 125 A; lq = 5 kA			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA			
EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for High Faults at 575/600 V at inside-	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max.70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA			
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings Manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for High Faults at 575/600 V at inside- delta circuit according to UL — usable for High Faults at 575/600 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max.70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA			
EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings Manufacturer's article number of circuit breaker - usable for Standard Faults at 460/480 V according to UL - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside-delta circuit according to UL - usable for High Faults at 460/480 V at inside- delta circuit according to UL - usable for High Faults at 575/600 V according to UL - usable for High Faults at 575/600 V at inside- delta circuit according to UL - usable for Standard Faults at 575/600 V at usable for Standard Faults at 575/600 V at - usable	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max.70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA			

 — usable for High according to UL 	Faults up to 575/6	600 V	Туре	Type: Class J / L, max. 150 A; Iq = 100 kA			
— usable for Stand circuit up to 575/60			Type: Class RK5 / K5, max. 150 A; Iq = 5 kA				
			Туре	e: Class J / L, max. 150	A; Iq = 100 kA		
operating power [hp] for	3-phase motors						
• at 200/208 V at 50 °C	-		10 h	р			
• at 220/230 V at 50 °C	C rated value		10 h	10 hp			
• at 460/480 V at 50 °C				20 hp			
● at 200/208 V at insid value	e-delta circuit at 5	0 °C rated	15 hp				
• at 220/230 V at insid value	e-delta circuit at 5	0 °C rated	20 h	20 hp			
 at 460/480 V at insid value 	e-delta circuit at 5	0 °C rated	40 h	40 hp			
contact rating of auxiliary	y contacts accor	ding to UL	R300	0-B300			
Safety related data							
protection class IP on the	e front acc. to IE	C 60529	IP20				
touch protection on the f				er-safe, for vertical conta	act from the front		
electromagnetic compati			-	to IEC 60947-4-2			
ATEX	~		ucc.				
certificate of suitability			V				
ATEX			Yes Yes				
	• IECEx						
 according to ATEX d 				18 ATEX F 003 X			
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]					
hardware fault tolerance acc. to IEC 61508 relating to ATEX		0					
PFDavg with low demand relating to ATEX			0.00	8			
PFHD with high demand to ATEX				00005 1/h			
Safety Integrity Level (SII to ATEX	-	_	SIL1				
T1 value for proof test int IEC 61508 relating to ATE		life acc. to	3 у				
Certificates/ approvals							
General Product Approv	al				EMC	For use in hazard- ous locations	
SP	(\mathbf{x})	(lj.)		FAL	Æ	IECEx	
CSA	222	UL		LIIL	RCM	IECEx	
For use in hazard- De	claration of	Tool Ocriff	-	Mayina (Objective			
ous locations Co	onformity	Test Certifica	ates	Marine / Shipping			
K ATEX	CE EG-Konf.	<u>Type Test Ce</u> ates/Test Re		ABS	BUREAU	Llovd's Register urs	
					VERITAS		
Marine / Shipping		other					
Marine / Onipping		other					



Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5517-1HA14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5517-1HA14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5517-1HA14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5517-1HA14&lang=en

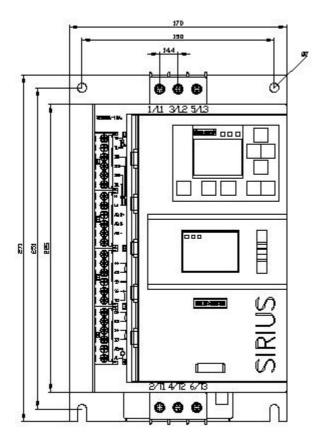
Characteristic: Tripping characteristics, I²t, Let-through current

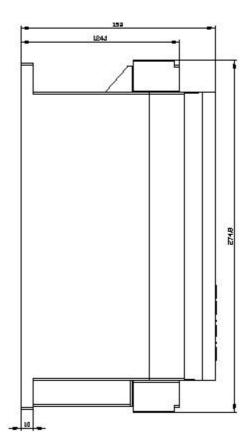
https://support.industry.siemens.com/cs/ww/en/ps/3RW5517-1HA14/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5517-1HA14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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