## **SIEMENS**

Data sheet 3RW5517-3HA14



SIRIUS soft starter 200-480 V 38 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>	3RW5980-0HF00		
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00		
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	3RW5950-0CH00		
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00		
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4WA10; Type of coordination 1, Iq = 10 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10		
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1820-0; Type of coordination 2, Iq = 65 kA		
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE8024-1: Type of coordination 2, Iq = 65 kA		

General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3

accuracy class acc. to IEC 61557-12	5 %			
certificate of suitability				
CE marking	Yes			
UL approval	Yes			
CSA approval	Yes			
product component				
HMI-High Feature	Yes			
is supported HMI-High Feature	Yes			
product feature integrated bypass contact system	Yes			
number of controlled phases	3			
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2			
current unbalance limiting value [%]	10 60 %			
ground-fault monitoring limiting value [%]	10 95 %			
recovery time after overload trip adjustable	60 1 800 s			
buffering time in the event of power failure				
for main current circuit	100 ms			
for control circuit	100 ms			
idle time adjustable	0 255 s			
insulation voltage rated value	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			
reference code acc. to IEC 81346-2	Q			
reference code acc. to IEC 81346-2 Substance Prohibitance (Date)				
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 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 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 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 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 Yes Ye			
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 Ye			
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 Yes Ye			
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 Ye			
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 Ye			
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 Yes Ye			
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 Yes Ye			
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 Yes Ye			
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	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye			
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 Yes Ye			
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye			
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  • manual RESET  • remote reset	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye			
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  • manual RESET  • remote reset  • communication function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye			
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  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye			
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 • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • 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 Yes Ye			
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 • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual 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 Yes Ye			
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 • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • 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 Yes Ye			

<ul> <li>spring-type terminal</li> </ul>	Yes				
<ul><li>PROFlenergy</li></ul>	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				
<ul><li>voltage ramp</li></ul>	Yes				
<ul> <li>torque control</li> </ul>	Yes				
<ul> <li>combined braking</li> </ul>	Yes				
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V				
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes				
<ul> <li>condition monitoring</li> </ul>	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					
<ul> <li>at 40 °C rated value</li> </ul>	38 A				
<ul> <li>at 40 °C rated value minimum</li> </ul>	7.5 A				
<ul> <li>at 50 °C rated value</li> </ul>	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					
relative positive tolerance of the operating voltage	15 %				
	10 %				
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %				
relative positive tolerance of the operating voltage at	 10 %				
inside-delta circuit					
operating power for 3-phase motors					
at 230 V at 40 °C rated value	11 kW				
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	18.5 kW				
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	18.5 kW				
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					
relative negative tolerance of the operating frequency	60 Hz -10 %				
	10 %				
relative positive tolerance of the operating frequency minimum load [%]					
	10 %; Relative to set le				
power loss [W] for rated value of the current at AC	44.14				
• 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 %					
<ul> <li>at 40 °C during startup</li> </ul>	616 W				
<ul> <li>at 50 °C during startup</li> </ul>	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					
• at 50 Hz	110 250 V				
- at 00 112	110 200 V				

● at 60 Hz	110 250 \/				
	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	0.2 A				
maximum					
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				
<ul> <li>number of digital outputs parameterizable</li> </ul>	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					
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A				
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	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					
<ul><li>forwards</li></ul>	10 mm				
<ul><li>backwards</li></ul>	0 mm				
• upwards	100 mm				
<ul><li>downwards</li></ul>	75 mm				
at the side	5 mm				
weight without packaging	2.6 kg				
Connections/ Terminals					
type of electrical connection					
<ul> <li>for main current circuit</li> </ul>	screw-type terminals				
for control circuit	spring-loaded terminals				
wire length for thermistor connection					
• with conductor cross-section = 0.5 mm² maximum	50 m				
• with conductor cross-section = 1.5 mm² maximum	150 m				
<ul> <li>with conductor cross-section = 2.5 mm² maximum</li> </ul>	050				
	250 m				
type of connectable conductor cross-sections	250 M				

for main contacts			
— solid	2v (1 0 2 5 mm²) 2v (2 5 10 mm²)		
finely stranded with core end processing	2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)		
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)		
type of connectable conductor cross-sections	_x(\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
for control circuit solid	2x (0.25 1.5 mm²)		
for control circuit finely stranded with core end	2x (0.25 1.5 mm²)		
processing	(		
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)		
<ul> <li>at AWG cables for control circuit finely stranded with</li> </ul>	2x (24 16)		
core end processing			
wire length			
between soft starter and motor maximum	800 m		
at the digital inputs at DC maximum	1 000 m		
tightening torque	0.0511		
for main contacts with screw-type terminals	2 2.5 N·m		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m		
tightening torque [lbf·in]			
for main contacts with screw-type terminals	18 22 lbf·in		
for auxiliary and control contacts with screw-type	7 10.3 lbf-in		
terminals	7 10.0 101 111		
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	-40 100 0		
during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt		
adding operation add. to 120 cor21	mist), 3S2 (sand must not get into the devices), 3M6		
• during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
EMC emitted interference	acc. to IEC 60947-4-2: Class A, Class B on request		
Communication/ Protocol			
communication module is supported			
<ul> <li>PROFINET standard</li> </ul>	Yes		
<ul> <li>PROFINET high-feature</li> </ul>	Yes		
<ul><li>EtherNet/IP</li></ul>	Yes		
<ul> <li>Modbus RTU</li> </ul>	Yes		
<ul> <li>Modbus TCP</li> </ul>	Yes		
• PROFIBUS	Yes		
UL/CSA ratings			
manufacturer's article number			
of circuit breaker			
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA		
<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA		
<ul> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA		
<ul> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA		
usable for Standard Faults at 575/600 V     according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA		
<ul> <li>usable for High Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA		
of the fuse			

2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals						
according to UL  — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  poperating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 460/480 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  flouch protection on the front acc. to IEC 60529  flouch protection on the front acc. to IEC 60529  flouch protection on the front acc. to IEC 60529  flouch protection according to ATEX  electromagnetic compatibility  • ATEX  certificate of suitability  • ATEX  yes  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive  2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDay with low demand rate acc. to IEC 61508 relating to ATEX  PFDay with low demand rate acc. to IEC 61508 relating to ATEX  TV alue for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/approvals	·	Type: Class RK5 / K5, max. 150 A; Iq = 5 kA				
circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up to 575/600 V according to UL  operating power [hig] for 3-phase motors  • at 200/208 V at 50 °C rated value  • at 2200/230 V at 50 °C rated value  • at 2200/230 V at 50 °C rated value  • at 2200/230 V at inside-delta circuit at 50 °C rated value  • at 2200/230 V at inside-delta circuit at 50 °C rated value  • at 2200/230 V at inside-delta circuit at 50 °C rated value  • at 2400/230 V at inside-delta circuit at 50 °C rated value  • at 2400/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  flower leaves a contact from the front acc. to IEC 60529  flower leaves according to ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  protection according to ATEX	ů i	Type: Class J / L, max. 150 A; Iq = 100 kA				
to 575/600 V according to UL  operating power [hp] for 3-phase motors  • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value • at 460/480 V at inside-delta circuit at 50 °C rated value  Contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  ATEX  certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/approvals		Type: Class RK5 / K5, max. 150 A; Iq = 5 kA				
at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 260/480 V at 50 °C rated value at 260/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 260/480 V at inside-delta circuit at 50 °C rated value at 260/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL R300-B300  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front electromagnetic compatibility acc. to IEC 60947-4-2  ATEX  certificate of suitability ATEX  recording to ATEX directive 2014/34/EU support of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		Type: Class J / L, max. 150 A; Iq = 100 kA				
at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 260/480 V at 50 °C rated value at 260/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 260/480 V at inside-delta circuit at 50 °C rated value at 260/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL R300-B300  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front electromagnetic compatibility acc. to IEC 60947-4-2  ATEX  certificate of suitability ATEX  recording to ATEX directive 2014/34/EU support of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	operating power [hp] for 3-phase motors					
at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 electromagnetic compatibility ATEX certificate of suitability ATEX certificate of suitability ATEX  elecEx according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDayg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Certificates/ approvals		10 hp				
at 220/208 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 480/480 V at inside-delta circuit at 50 °C rated value  at 480/480 V at inside-delta circuit at 50 °C rated value  contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  electromagnetic compatibility  ATEX  certificate of suitability  ATEX  i IECEX  according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDa with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Cortificates/ approvals	<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	·				
value  • at 220/230 V at inside-delta circuit at 50 °C rated value  • at 460/480 V at inside-delta circuit at 50 °C rated value  contact rating of auxiliary contacts according to UL  Safety related data protection class IP on the front acc. to IEC 60529  electromagnetic compatibility  acc. to IEC 60947-4-2  ATEX  certificate of suitability  • ATEX  • IECEX • according to ATEX directive 2014/34/EU  thardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	·				
value  • at 460/480 V at inside-delta circuit at 50 °C rated value  contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  electromagnetic compatibility  • ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  bardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals						
contact rating of auxiliary contacts according to UL  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  finger-safe, for vertical contact from the front electromagnetic compatibility  acc. to IEC 60947-4-2  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		20 hp				
Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  finger-safe, for vertical contact from the front electromagnetic compatibility  acc. to IEC 60947-4-2  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		40 hp				
protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  electromagnetic compatibility  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals  IP20  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  Tender of vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  T1 value for protection acc. to IEC 61508 relating to ATEX  Certificates/ approvals	contact rating of auxiliary contacts according to UL	R300-B300				
touch protection on the front acc. to IEC 60529 electromagnetic compatibility  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the front acc. to IEC 60947-4-2  finger-safe, for vertical contact from the foot acc. to IEC 60947-4-2  finger-safe, for vertical contact from the foot acc. to IEC 60947-4-2  finger-safe, for vertical contact from the foot acc. to IEC 60947-4-2  finger-safe, for vertical contact from the foot acc. to IEC 60947-4-2  finger-safe, for vertical contact from the foot acc. to IEC 60947-4-2  fee Super	Safety related data					
electromagnetic compatibility  ATEX  certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	protection class IP on the front acc. to IEC 60529	IP20				
certificate of suitability  • ATEX  • IECEx  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front				
certificate of suitability  • ATEX  • IECEX  • according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	electromagnetic compatibility					
ATEX IECEX IECEX Contains to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	ATEX					
IECEX     according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  l (2)G [Ex eb Gb] [Ex db Gb], II (2)D [Ex tb Db] [Ex pxb Db]  l (M2) [Ex db Mb]  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	certificate of suitability					
according to ATEX directive 2014/34/EU  type of protection according to ATEX directive 2014/34/EU  large of protection according to ATEX direction according to ATEX direction according to ATEX direction according to ATEX direction according	• ATEX	Yes	Yes			
type of protection according to ATEX directive 2014/34/EU  li (2)G [Ex eb 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  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	• IECEx	Yes				
2014/34/EU  hardware fault tolerance acc. to IEC 61508 relating to ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	BVS 18 ATEX F 003 X				
ATEX  PFDavg with low demand rate acc. to IEC 61508 relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		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]				
relating to ATEX  PFHD with high demand rate acc. to EN 62061 relating to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals	•	0				
to ATEX  Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		0.008				
to ATEX  T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX  Certificates/ approvals		0.0000005 1/h				
IEC 61508 relating to ATEX  Certificates/ approvals		SIL1				
	•	3 y				
	Certificates/ approvals					
General Product Approval  EMC For use in hazar ous locations	General Product Approval		EMC	For use in hazard- ous locations		













For use in hazardous locations Declaration of Conformity

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other







## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

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

Cax online generator

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

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

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

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

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

Characteristic: Tripping characteristics, I²t, Let-through current

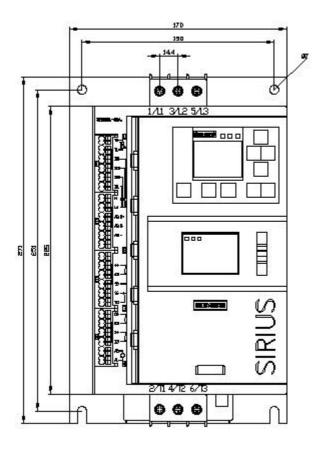
https://support.industry.siemens.com/cs/ww/en/ps/3RW5517-3HA14/char

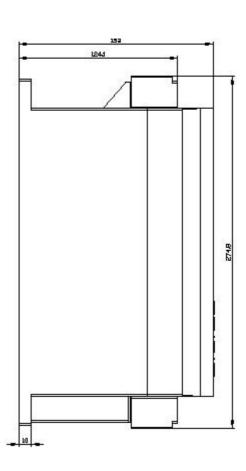
Characteristic: Installation altitude

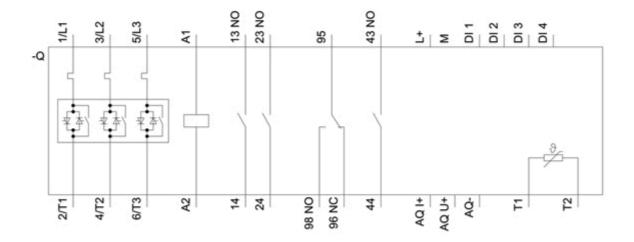
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5517-3HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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