SIEMENS

Data sheet

3RW5526-1HA14



SIRIUS soft starter 200-480 V 77 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 	3VA2110-7MN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10	
 of circuit breaker usable at 500 V 	3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10	
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2216-7MN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10	
 of the gG fuse usable up to 690 V 	3NA3132-6; Type of coordination 1, Iq = 65 kA	
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3132-6; Type of coordination 1, Iq = 65 kA	
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1224-0; Type of coordination 2, Iq = 65 kA</u>	
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3227; Type of coordination 2, lq = 65 kA</u>	
Seneral technical data		
starting voltage [%]	20 100 %	
stopping voltage [%]	50 %; non-adjustable	
start up romp time of ooft starter	0, 260 c	

starting voltage [76]	20 100 %
stopping voltage [%]	50 %; non-adjustable
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	5 (based on IEC 61557-12)
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	
current unbalance limiting value [%]	10 60 %	
ground-fault monitoring limiting value [%]	10 95 %	
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	1 400 V	
service factor	1.15	
surge voltage resistance rated value	6 kV	
maximum permissible voltage for protective separation		
 between main and auxiliary circuit 	480 V; does not apply for thermistor connection	
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting	
recovery time after overload trip adjustable	60 1 800 s	
utilization category according to IEC 60947-4-2	AC 53a	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	02/15/2018	
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Dicyclohexyl phthalate (DCHP) - 84-61-7 Dodecamethylcyclohexasiloxane (D6) - 540-97-6 Lead titanium trioxide - 12060-00-3	
product function		
 ramp-up (soft starting) 	Yes	
• ramp-down (soft stop)	Yes	
ramp-down (soft stop)breakaway pulse	Yes Yes	
 ramp-down (soft stop) breakaway pulse adjustable current limitation 	Yes Yes Yes	
 ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation 	Yes Yes Yes	
 ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down 	Yes Yes Yes Yes	
 ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking 	Yes Yes Yes Yes Yes	
 ramp-down (soft stop) breakaway pulse adjustable current limitation creep speed in both directions of rotation pump ramp down DC braking motor heating 	Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 trace function intrinsic device protection motor overload protection evaluation of thermistor motor protection inside-delta circuit auto-RESET 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET manual RESET remote reset communication function 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 trace function intrinsic device protection motor overload protection inside-delta circuit auto-RESET manual RESET remote reset communication function operating measured value display 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 trace function 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 via software parameterizable 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 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 via software parameterizable via software configurable 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
 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 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 via software parameterizable via software configurable screw terminal 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	

- nonequality to main all for a contral singuit	Vec
removable terminal for control circuit	Yes
voltage ramp	Yes
torque control	Yes
combined braking	
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	77 A
at 40 °C rated value minimum	16 A
• at 50 °C rated value	68 A
at 60 °C rated value	62 A
operational current at inside-delta circuit	100 A
at 40 °C rated value	133 A
• at 50 °C rated value	118 A
• at 60 °C rated value	107 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 % 10 %
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at	-15 %
inside-delta circuit	-13 /0
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 	22 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	37 kW
• at 400 V at 40 °C rated value	37 kW
• at 400 V at inside-delta circuit at 40 °C rated value	75 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	20.14
• at 40 °C after startup	23 W
• at 50 °C after startup	20 W
• at 60 °C after startup	19 W
power loss [W] at AC at current limitation 350 %	4 000 M
at 40 °C during startup	1 083 W
• at 50 °C during startup	921 W
at 60 °C during startup	814 W
type of the motor protection Control circuit/ Control	Electronic, tripping in the event of thermal overload of the motor
	AC
type of voltage of the control supply voltage control supply voltage at AC	
• at 50 Hz	110 250 V
• at 50 Hz	110 250 V
relative negative tolerance of the control supply voltage at	-15 %
AC at 50 Hz	
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	180 mA		
inrush current by closing the bypass contacts maximum	0.8 A		
inrush current peak at application of control supply voltage	43 A		
maximum duration of inrush current peak at application of control supply	1.6 ms		
voltage	1.0 110		
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 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	306 mm		
width	185 mm		
depth	203 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 Connections/ Terminals	7.15 kg		
type of electrical connection for main current circuit 	box terminal		
for main current circuit for control circuit			
vidth of connection bar maximum	screw-type terminals 25 mm		
with or connection bar maximum			
 with conductor cross-section = 0.5 mm² maximum 	50 m		
 with conductor cross-section = 0.5 mm² maximum 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 for box terminal			
 using the front clamping point solid 	1x (2.5 16 mm²)		
 using the front clamping point finely stranded with core end processing 	1x (2.5 50 mm²)		
 using the front clamping point stranded 	1x (10 70 mm²)		
 using the back clamping point solid 	1x (2.5 16 mm²)		
 using the back clamping point solid r box terminal using the back clamping point 	1x (2.5 16 mm²) 1x (10 2/0)		
• r box terminal using the back clamping point	1x (10 2/0)		

 using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)	
 using the back clamping point stranded 	1x (10 70 mm²)	
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 processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)	
 for 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	4.5 6 N·m	
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m	
terminals	0.0 1.2 Will	
tightening torque [lbf·in]		
 for main contacts with screw-type terminals 	40 53 lbf·in	
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in	
terminals		
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 according 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 according to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4	
 during transport according to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)	
Environmental footprint		
Siemens Eco Profile (SEP)	Siemens EcoTech	
EMC emitted interference	acc. to IEC 60947-4-2: Class A, Class B on request	
Communication/ Protocol		
Communication/ Protocol	Yes	
Communication/ Protocol communication module is supported	Yes	
Communication/ Protocol communication module is supported • PROFINET standard		
Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature	Yes	
Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP	Yes Yes Yes	
Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP	Yes Yes Yes	
Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	Yes Yes Yes	
Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	Yes Yes Yes	
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	Yes Yes Yes	
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	Yes Yes Yes Yes	
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 according to UL	Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA	
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 — 60/480 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA	
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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA	
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 — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA	
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 — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA	
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 — 60/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA	
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 — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA	
Communication module is supported 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 - 60/480 V according to UL - at 460/480 V at inside-delta circuit according to UL - at 460/480 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes Yes	
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 — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA Siemens type: 3VA51, max. 125 A; lq max = 65 kA Siemens type: 3VA51, max. 125 A; lq = 10 kA	
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 - at 460/480 V according to UL - at 460/480 V at inside-delta circuit according to UL - at 460/480 V at inside-delta circuit according to UL - at 575/600 V according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes Yes	
Communication / Protocol communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus RTU PROFIBUS UL/CSA ratings Manufacturer's article number of circuit breaker usable for Standard Faults - at 460/480 V according to UL - at 460/480 V according to UL - at 460/480 V at inside-delta circuit according to UL - 60/480 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to	Yes Yes Yes Yes Yes Yes Yes Yes Tes Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq max = 65 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA	
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 - at 460/480 V according to UL - at 460/480 V at inside-delta circuit according to UL - 60/480 V at inside-delta circuit according to UL - at 575/600 V according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - at 575/600 V at inside-delta circuit according to UL - usable for Standard Faults up to 575/600 V according to UL - usable for High Faults up to 575/600 V according to UL - usable for Standard Faults at inside-delta circuit up	Yes Yes Yes Yes Yes Yes Yes Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq max = 65 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq max = 65 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA	
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 according to UL — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes Yes Yes Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq max = 65 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Type: Class RK5 / K5, max. $250 A$; lq = 10 kA Type: Class RK5 / K5, max. $250 A$; lq = 10 kA	
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 according to UL — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults 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	Yes Yes Yes Yes Yes Yes Yes Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq max = 65 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Siemens type: $3VA51$, max. $125 A$; lq = 10 kA Type: Class RK5 / K5, max. $250 A$; lq = 10 kA Type: Class RK5 / K5, max. $250 A$; lq = 10 kA	
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 — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL — at 460/480 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V 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	Yes Yes Yes Yes Yes Yes Yes Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq max = 65 kA Siemens type: $3VA51$, max. 125 A; lq max = 65 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Siemens type: $3VA51$, max. 125 A; lq = 10 kA Type: Class RK5 / K5, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 250 A; lq = 10 kA	

• at 200/208 V at inside-delta circuit at 50 °C rated value	30 hp	
 at 220/230 V at inside-delta circuit at 50 °C rated value 	40 hp	
 at 460/480 V at inside-delta circuit at 50 °C rated value 	75 hp	
contact rating of auxiliary contacts according to UL	R300-B300	
Electrical Safety		
protection class IP on the front according to IEC 60529	IP00; IP20 with cover	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover	
ATEX		
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1	
PFHD with high demand rate according to IEC 61508 relating to ATEX	5E-7 1/h	
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.008	
hardware fault tolerance according to IEC 61508 relating to ATEX	0	
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 a	
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 directive 2014/34/EU	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], [Ex db Mb]	II (2)D [Ex tb Db] [Ex pxb Db], I (M2)
Approvals Certificates		
General Product Approval		
	(ur	(PL)
	ccc	
General Product Approval EMV	For use in hazardous locations	Test Certificates
General Product Ap-	Æx 🛄	Test Certificates Type Test Certific- ates/Test Report ECEx
General Product Approval EMV	Æx 🛄	CEx Type Test Certific- ates/Test Report
General Product Approval EMV EG-Konf.	ATEX Other	CEx Type Test Certific- ates/Test Report
General Product Approval EMV EG-Konf. General Product Approval EMV KC KC Marine / Shipping KC	ATEX Other	CEx Environment
General Product Approval EMV EMV EMV Marine / Shipping Marine / Shipping	ATEX Other	CEx Environment
General Product Approval EMV General Product Approval EMV General Product Approval EMV Marine / Shipping KC Marine / Shipping Image: Constant of the state of the stat	ATEX Other	CEx Environment
General Product Approval EMV General Product Approval EMV General Product Approval EMV Marine / Shipping KC Marine / Shipping Image: Constant of the second of the sec	ATEX Other	CEx Environment
General Product Approval EMV General Product Approval EMV General Product Approval EMV Marine / Shipping KC Marine / Shipping Image: Constant of the provement of the provem	ATEX Other	CEx Environment
General Product Approval EMV General Product Approval EMV General Product Approval EMV General Product Approval EMV Marine / Shipping KC Marine / Shipping EVENUE Marine / Shipping EVENUE Siement Environmental Confirmations Siemens EcoTech Environmental Confirmations Further information Information on the packaging	ATEX Other	CEx Environment
General Product Approval EMV EMV EMV Marine / Shipping KC Marine / Shipping Image: Construction of the packaging image: Construction of the packaging image: Construction of the packaging interstiction of the packaging interstinterstiction of the packaging interstinterstin	E Conf E PRS	CEx Environment

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

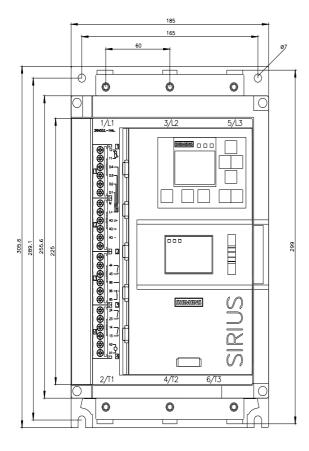
https://support.industry.siemens.com/cs/ww/en/ps/3RW5526-1HA14

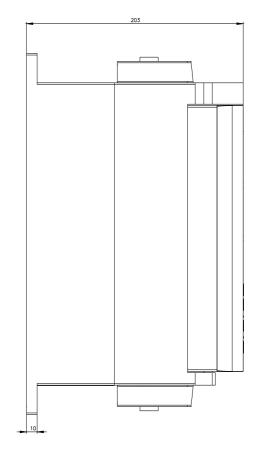
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5526-1HA14&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5526-1HA14/char

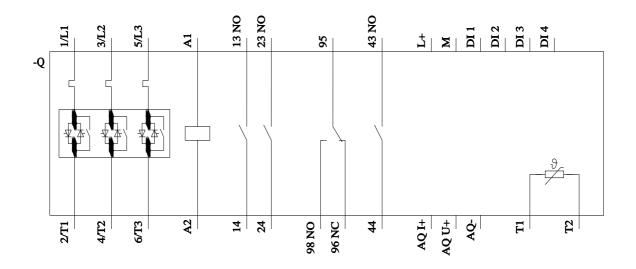
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5526-1HA14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







last modified:

4/19/2024 🖸