## **SIEMENS**

Data sheet 3RW5525-3HA14



SIRIUS soft starter 200-480 V 63 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>	3VA2163-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2163-7MN32-0AA0; Type of coordination 1, Iq = 20 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2110-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3830-6; Type of coordination 1, Iq = 65 kA	
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3830-6; 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>	3NE1022-0; 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>	3NE3227; 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	1 400 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  • 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	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  • waluation 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		

spring-type terminal	Yes		
PROFlenergy			
• FROI leftergy	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	63 A		
at 40 °C rated value minimum	13 A		
at 50 °C rated value	55.5 A		
at 60 °C rated value     at 60 °C rated value	50.5 A		
operational current at inside-delta circuit			
at 40 °C rated value	109 A		
at 50 °C rated value	96 A		
at 60 °C rated value	87.5 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	-15 %		
inside-delta circuit	40.07		
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	18.5 kW		
at 230 V at inside-delta circuit at 40 °C rated value	30 kW		
at 400 V at 40 °C rated value	30 kW		
at 400 V at inside-delta circuit at 40 °C rated value	55 kW		
Operating frequency 1 rated value	50 Hz		
Operating frequency 2 rated value	60 Hz		
relative negative tolerance of the operating frequency	-10 %		
relative positive tolerance of the operating frequency	10 %		
minimum load [%]	10 %; Relative to set le		
power loss [W] for rated value of the current at AC			
at 40 °C after startup	19 W		
• at 50 °C after startup	17 W		
at 60 °C after startup	15 W		
power loss [W] at AC at current limitation 350 %			
<ul> <li>at 40 °C during startup</li> </ul>	1 056 W		
<ul> <li>at 50 °C during startup</li> </ul>	732 W		
at 60 °C during startup	647 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		

- ct 60 I I=	440 050 \/		
• 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	180 mA		
locked-rotor current at close of bypass contact	0.8 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	306 mm		
width	185 mm		
depth	203 mm		
required spacing with side-by-side mounting			
• forwards	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	5.9 kg		
Connections/ Terminals			
type of electrical connection			
• for main current circuit	box terminal		
for control circuit	spring-loaded terminals		
width of connection bar maximum	25 mm		
wire length for thermistor connection			
<ul> <li>with conductor cross-section = 0.5 mm² maximum</li> </ul>	50 m		
<ul> <li>with conductor cross-section = 1.5 mm² maximum</li> </ul>	450		
	150 m		
<ul> <li>with conductor cross-section = 2.5 mm² maximum</li> </ul>	150 m 250 m		

type of connectable conductor cross-sections			
<ul> <li>for main contacts for box terminal using the front clamping point solid</li> </ul>	1x (2.5 16 mm²)		
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	1x (2.5 50 mm²)		
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	1x (10 70 mm²)		
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	1x (10 2/0)		
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	1x (2.5 16 mm²)		
<ul> <li>at AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	1x (10 2/0)		
<ul> <li>for main contacts for box terminal using both clamping points solid</li> </ul>	2x (2.5 16 mm²)		
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	2x (2.5 35 mm²)		
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	2x (6 16 mm²), 2x (10 50 mm²)		
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	1x (2.5 50 mm²)		
<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	1x (10 70 mm²)		
type of connectable conductor cross-sections			
for control circuit solid	2x (0.25 1.5 mm²)		
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)		
<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 core end processing</li> </ul>	2x (24 16)		
wire length			
<ul><li>between soft starter and motor maximum</li><li>at the digital inputs at DC maximum</li></ul>	800 m 1 000 m		
tightening torque			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	4.5 6 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	40 53 lbf·in		
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	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	OVC (no ice formation onlyin-lands (**) 200 (**)		
during operation acc. to IEC 60721      during storage 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      during transport acc. to IEC 60731	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
during transport acc. to IEC 60721  EMC emitted interference	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
	acc. to IEC 60947-4-2: Class A, Class B on request		
Communication/ Protocol			
communication module is supported	Voc		
PROFINET high facture	Yes		
PROFINET high-feature  Fig. N. 1/18	Yes		
• EtherNet/IP	Yes		
Modbus RTU	Yes		

Modbus TCP	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; Iq = 10 kA		
<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA51, max. 125 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: 3VA51, max. 125 A; Iq = 10 kA		
<ul> <li>usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 125 A; lq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 10 kA		
<ul> <li>usable for High Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 125 A; lq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 125 A; lq = 10 kA		
<ul> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V</li> </ul>	Type: Class RK5 / K5, max. 200 A; Iq = 10 kA	4	
according to UL  — usable for High Faults up to 575/600 V	Type: Class J / L, max. 225 A; Iq = 100 kA		
according to UL  — usable for Standard Faults at inside-delta	Type: Class RK5 / K5, max. 200 A; Iq = 10 kA		
circuit up to 575/600 V according to UL  — usable for High Faults at inside-delta circuit up	Type: Class J / L, max. 225 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	15 hp		
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	20 hp		
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	40 hp		
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	30 hp		
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	30 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		
Safety related data			
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover		
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front	with cover	
electromagnetic compatibility	acc. to IEC 60947-4-2		
ATEX			
certificate of suitability			
• ATEX	Yes		
• IECEx	Yes		
<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	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], 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 rate acc. to IEC 61508 relating to ATEX	0.008		
PFHD with high demand rate acc. to EN 62061 relating to ATEX	0.0000005 1/h		
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX	SIL1		
T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	3 y		
Certificates/ approvals			
General Product Approval	EMC	For use in hazard-	
.,			













For use in hazardous locations

**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

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=3RW5525-3HA14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5525-3HA14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5525-3HA14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RW5525-3HA14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

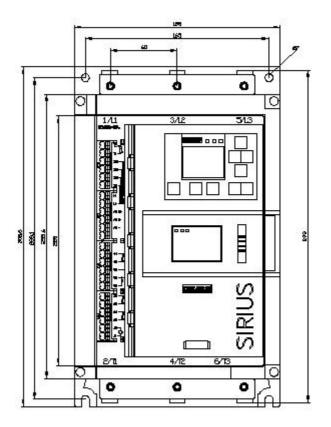
https://support.industry.siemens.com/cs/ww/en/ps/3RW5525-3HA14/char

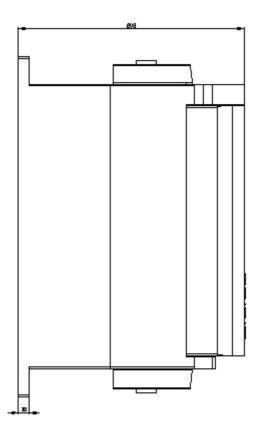
Characteristic: Installation altitude

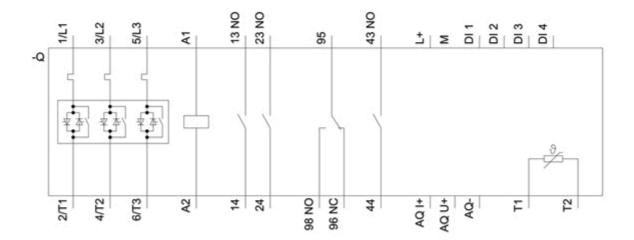
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5525-3HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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