SIEMENS

product brand name

product category

Data sheet 3RW5526-1HA14

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-480 V 77 A, 110-250 V AC Screw terminals





F	
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
of high feature HMI module usable	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
• of communication module PROFINET high-feature usable	3RW5950-0CH00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2110-7MN32-0AA0; Type of coordination 1, Iq = 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, Iq = 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 	3NE1224-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3227; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	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

- CCA commonal	Van
CSA approval Available to approval Ava	Yes
product component	Voc
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
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
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 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Lead titanium trioxide - 12060-00-3
Weight	7.9 kg
product function	
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
breakaway pulse	Yes
adjustable current limitation	Yes
creep speed in both directions of rotation	Yes
pump ramp down	Yes
DC braking	Yes
motor heating	Yes
• min/max pointer	Yes
trace function	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes
• communication function	Yes
operating measured value display	Yes
• event list	Yes
• error logbook	Yes
via software parameterizable	Yes
via software configurable	Yes
screw terminal	Yes
spring-loaded terminal	No
	Yes; in connection with the PROFINET Standard and PROFINET High-Feature
	No

	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	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	
• at 40 °C rated value	133 A
• at 50 °C rated value	118 A
at 60 °C rated value	107 A
operating voltage	200 (00)
• rated value	200 480 V
at inside-delta circuit rated value relative regative telegrance of the energing veltage.	200 480 V -15 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at	-15 %
inside-delta circuit	10 %
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 relative negative tolerance of the operating frequency	60 Hz -10 %
relative negative tolerance of the operating frequency	10 %
minimum load [%]	10 % 10 %; Relative to set le
power loss [W] for rated value of the current at AC	.5 75, 1.000010 10 00110
• 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 %	
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	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 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
inrush current by closing the bypass contacts maximum	0.8 A
inrush current peak at application of control supply voltage maximum	43 A
duration of inrush current peak at application of control supply voltage	1.6 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	4
parameterizable	4
 number of 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
iustoning metriou	· · · · · · · · · · · · · · · · · · ·
height	306 mm
-	306 mm 185 mm
height width depth	306 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm
height width depth required spacing with side-by-side mounting • forwards	306 mm 185 mm 203 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m 250 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal • using the front clamping point solid • using the front clamping point finely stranded with core	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m 250 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal • using the front clamping point solid • using the front clamping point finely stranded with core end processing	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m 250 m 1x (2.5 16 mm²) 1x (2.5 50 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal • using the front clamping point solid • using the front clamping point finely stranded with core end processing • using the front clamping point stranded	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m 250 m 1x (2.5 16 mm²) 1x (2.5 50 mm²) 1x (10 70 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for main contacts for box terminal • using the front clamping point solid • using the front clamping point stranded • using the back clamping point stranded • using the back clamping point solid	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 7.15 kg box terminal screw-type terminals 25 mm 50 m 150 m 250 m 1x (2.5 16 mm²) 1x (2.5 50 mm²) 1x (10 70 mm²) 1x (2.5 16 mm²)

proceeding	
processing	2v (6 16 mm²) 2v (10 50 mm²)
using both clamping points stranded using the back clamping point finely stranded with core.	2x (6 16 mm²), 2x (10 50 mm²) 1x (2.5 50 mm²)
 using the back clamping point finely stranded with core end processing 	1X (2.5 50 IIIIIF)
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	
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	40 53 lbf·in
 for auxiliary and control contacts with screw-type terminals 	7 10.3 lbf·in
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	2.12, 20.1, 20.1, 2.112 (a.a. 10.13.1.1.010)
global warming potential [CO2 eq] total	399 kg
global warming potential [CO2 eq] during manufacturing	92.6 kg
3 4 4 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
global warming potential [CO2 eq] during sales	2.37 ka
global warming potential [CO2 eq] during sales global warming potential [CO2 eq] during operation	2.37 kg 324 kg
global warming potential [CO2 eq] during operation	324 kg
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life	324 kg -19.4 kg
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP)	324 kg
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life	324 kg -19.4 kg Siemens EcoTech
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility	324 kg -19.4 kg
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference	324 kg -19.4 kg Siemens EcoTech
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol	324 kg -19.4 kg Siemens EcoTech
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V according to UL	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — at 460/480 V at inside-delta circuit according to UL	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V at inside-delta circuit according to UL — 60/480 V at inside-delta circuit according to UL	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V at inside-delta circuit according to UL — 60/480 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	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 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 — 75/600 V at inside-delta circuit according to UL	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life Siemens Eco Profile (SEP) Electromagnetic compatibility EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker usable for Standard Faults — at 460/480 V according to UL — 60/480 V 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	324 kg -19.4 kg Siemens EcoTech acc. to IEC 60947-4-2: Class A, Class B on request Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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UL	
 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 250 A; Iq = 10 kA
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 250 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	20 hp
• at 220/230 V at 50 °C rated value	25 hp
 at 460/480 V at 50 °C rated value 	50 hp
• 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], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]

EMV **General Product Approval**













EMV For use in hazardous locations **Test Certificates**

Marine / Shipping

<u>KC</u>





Type Test Certificates/Test Report





Marine / Shipping

other

Environment





Confirmation







Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW5526-1HA14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5526-1HA14

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

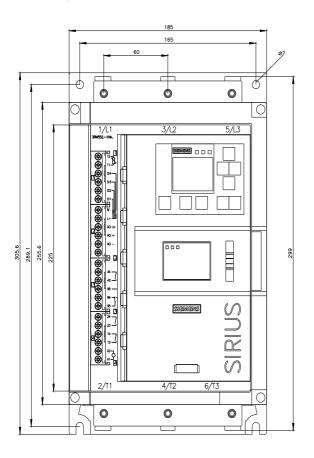
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5526-1HA14/char

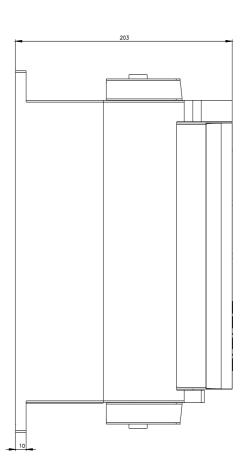
Characteristic: Installation altitude

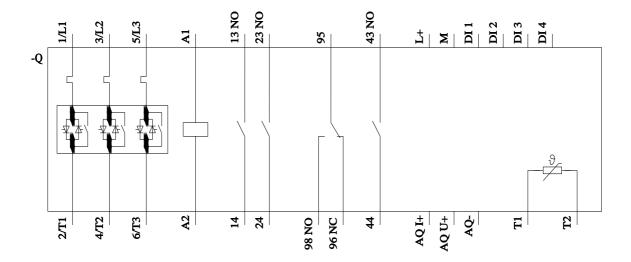
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5526-1HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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