## **SIEMENS**

Data sheet 3RW5536-2HA14



SIRIUS soft starter 200-480 V 171 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>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 30 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3365-6; 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>	3NE1230-0; 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>	3NE3334-0B; 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			
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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				
FROTiefletgy	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	· · · · · ·			
condition monitoring	Yes			
	Yes			
automatic parameterisation     application wire red	Yes			
<ul><li>application wizards</li><li>alternative run-down</li></ul>	Yes			
	Yes			
emergency operation mode	Yes			
reversing operation	Yes			
soft starting at heavy starting conditions	Yes			
Power Electronics				
operational current	474.0			
• at 40 °C rated value	171 A			
• at 40 °C rated value minimum	34 A			
at 50 °C rated value	153 A			
at 60 °C rated value	141 A			
operational current at inside-delta circuit				
• at 40 °C rated value	296 A			
• at 50 °C rated value	265 A			
at 60 °C rated value	244 A			
operating voltage				
rated value	200 480 V			
at inside-delta circuit rated value	200 480 V			
relative negative tolerance of the operating voltage	-15 %			
relative positive tolerance of the operating voltage	10 %			
relative negative tolerance of the operating voltage at inside-delta circuit	-15 % 			
relative positive tolerance of the operating voltage at inside-delta circuit	10 %			
operating power for 3-phase motors				
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	45 kW			
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	90 kW			
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	90 kW			
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	160 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				
<ul> <li>at 40 °C after startup</li> </ul>	51 W			
<ul> <li>at 50 °C after startup</li> </ul>	46 W			
at 60 °C after startup	42 W			
power loss [W] at AC at current limitation 350 $\%$				
<ul> <li>at 40 °C during startup</li> </ul>	2 393 W			
<ul> <li>at 50 °C during startup</li> </ul>	2 038 W			
at 60 °C during startup	1 814 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	440 050 //			
	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 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 inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick			
	1, Type A PTC of Klixoff/ Thermoclick			
number of digital outputs	4			
number of digital outputs parameterizable	3			
number of digital outputs not parameterizable	1			
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs	1			
switching capacity current of the relay outputs				
• at AC-15 at 250 V rated value	3 A			
at DC-13 at 24 V rated value	1 A			
Installation/ mounting/ dimensions				
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)			
fastening method	screw fixing			
height	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	9.1 kg			
Connections/ Terminals				
type of electrical connection				
for main current circuit	busbar connection			
• for control circuit	spring-loaded terminals			
width of connection bar maximum	25 mm			
wire length for thermistor connection				
and the second s	50 m			
• with conductor cross-section = 0.5 mm² maximum				
<ul> <li>with conductor cross-section = 0.5 mm² maximum</li> <li>with conductor cross-section = 1.5 mm² maximum</li> <li>with conductor cross-section = 2.5 mm² maximum</li> </ul>	50 m 150 m 250 m			

type of connectable conductor cross-sections			
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (16 95 mm²)		
for DIN cable lug for main contacts finely stranded	2x (25 120 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)		
at AWG cables for control circuit solid	2x (24 16)		
at AWG cables for control circuit finely stranded with core end processing	2x (24 16)		
wire length			
between soft starter and motor maximum	800 m		
at the digital inputs at DC maximum	1 000 m		
tightening torque	40 44 N		
for main contacts with screw-type terminals     for applications and control contacts with screw type	10 14 N·m		
for auxiliary and control contacts with screw-type terminals	0.8 1.2 N·m		
tightening torque [lbf·in]	00 404 lbf :		
for main contacts with screw-type terminals     for a william and control contacts with screw type	89 124 lbf·in 7 10.3 lbf·in		
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 IDI · III		
Ambient conditions			
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
ambient temperature			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above		
during storage and transport	-40 +80 °C		
environmental category			
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6		
during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
EMC emitted interference	acc. to IEC 60947-4-2: Class A		
Communication/ Protocol			
communication module is supported	V		
PROFINET standard	Yes		
PROFINET high-feature	Yes		
EtherNet/IP     Modbus RTU	Yes		
Modbus RTU      Modbus TCP	Yes Yes		
PROFIBUS	Yes		
UL/CSA ratings	100		
manufacturer's article number			
of circuit breaker			
usable for Standard Faults at 460/480 V     according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
usable for High Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
usable for Standard Faults at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
usable for High Faults at 460/480 V at inside- delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
usable for Standard Faults at 575/600 V     according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
usable for High Faults at 575/600 V at inside- delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA		
<ul> <li>usable for Standard Faults at 575/600 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq = 10 kA		
of the fuse			
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; Iq = 10 kA		

<ul> <li>usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; Iq = 100 kA				
<ul> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 400 A; Iq = 10 kA				
<ul> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 350 A; Iq = 100 kA				
operating power [hp] for 3-phase motors					
<ul><li>at 200/208 V at 50 °C rated value</li></ul>	50 hp				
• at 220/230 V at 50 °C rated value	50 hp				
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	100 hp				
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	75 hp				
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	100 hp				
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	200 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- ous locations		













IECEx

For use in hazardous locations

Declaration of Conformity

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other







## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5536-2HA14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5536-2HA14}}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5536-2HA14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5536-2HA14&lang=en

Characteristic: Tripping characteristics,  $l^2t$ , Let-through current

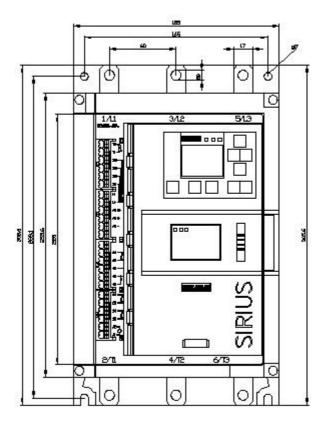
https://support.industry.siemens.com/cs/ww/en/ps/3RW5536-2HA14/char

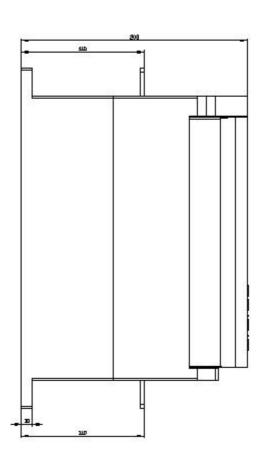
Characteristic: Installation altitude

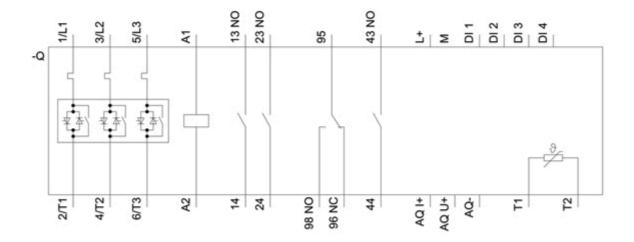
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5536-2HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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