## **SIEMENS**

Data sheet 3RW5516-3HA14



SIRIUS soft starter 200-480 V 32 A, 110-250 V AC spring-type terminals

product brand name	SIRIUS		
product category	Hybrid switching devices		
product designation	Soft starter		
product type designation	3RW55		
manufacturer's article number			
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00		
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00		
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	3RW5950-0CH00		
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00		
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00		
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00		
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00		
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3RV2032-4JA10; Type of coordination 1, lq = 10 kA, CLASS 10		
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	3NA3824-6; Type of coordination 1, Iq = 65 kA		
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1818-0; 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>	3NE8022-1: Type of coordination 2, Iq = 65 kA		

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

accuracy class acc. to IEC 61557-12	5 %				
certificate of suitability					
CE marking	Yes				
UL approval	Yes				
CSA approval	Yes				
product component					
HMI-High Feature	Yes				
is supported HMI-High Feature	Yes				
product feature integrated bypass contact system	Yes				
number of controlled phases	3				
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2				
current unbalance limiting value [%]	10 60 %				
ground-fault monitoring limiting value [%]	10 95 %				
recovery time after overload trip adjustable	60 1 800 s				
buffering time in the event of power failure					
for main current circuit	100 ms				
for control circuit	100 ms				
idle time adjustable	0 255 s				
insulation voltage rated value	480 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	6 kV				
blocking voltage of the thyristor maximum	1 600 V				
service factor	1.15				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for safe isolation					
between main and auxiliary circuit	480 V; does not apply for thermistor connection				
utilization category acc. to IEC 60947-4-2	AC 53a				
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting				
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz				
reference code acc. to IEC 81346-2	Q				
reference code acc. to IEC 81346-2 Substance Prohibitance (Date)					
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function	Q 15.02.2018 00:00:00				
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting)	Q 15.02.2018 00:00:00 Yes				
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop)	Q 15.02.2018 00:00:00 Yes Yes				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse	Q 15.02.2018 00:00:00 Yes Yes Yes				
reference code acc. to IEC 81346-2 Substance Prohibitance (Date) product function • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation	Q 15.02.2018 00:00:00 Yes Yes Yes Yes				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down	Q 15.02.2018 00:00:00 Yes Yes Yes Yes Yes Yes				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection  • evaluation of thermistor motor protection  • inside-delta circuit	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection  • evaluation of thermistor motor protection  • inside-delta circuit  • auto-RESET	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection  • evaluation of thermistor motor protection  • inside-delta circuit  • auto-RESET  • manual RESET  • remote reset	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting)  • ramp-down (soft stop)  • breakaway pulse  • adjustable current limitation  • creep speed in both directions of rotation  • pump ramp down  • DC braking  • motor heating  • slave pointer function  • trace function  • intrinsic device protection  • motor overload protection  • evaluation of thermistor motor protection  • inside-delta circuit  • auto-RESET  • manual RESET  • remote reset  • communication function	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • motor overload protection  • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook • via software parameterizable	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  product function  • ramp-up (soft starting) • ramp-down (soft stop) • breakaway pulse • adjustable current limitation • creep speed in both directions of rotation • pump ramp down • DC braking • motor heating • slave pointer function • trace function • intrinsic device protection • intrinsic device protection • motor overload protection  • evaluation of thermistor motor protection • inside-delta circuit • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • event list • error logbook	Q 15.02.2018 00:00:00  Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye				

spring-type terminal	Yes				
<ul> <li>PROFlenergy</li> </ul>	Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules				
firmware update	Yes				
removable terminal for control circuit	Yes				
voltage ramp					
torque control	Yes				
·	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				
<ul> <li>alternative run-down</li> </ul>	Yes				
<ul> <li>emergency operation mode</li> </ul>	Yes				
<ul><li>reversing operation</li></ul>	Yes				
soft starting at heavy starting conditions	Yes				
Power Electronics					
operational current					
• at 40 °C rated value	32 A				
<ul> <li>at 40 °C rated value minimum</li> </ul>	6.5 A				
<ul> <li>at 50 °C rated value</li> </ul>	28.4 A				
• at 60 °C rated value	26 A				
operational current at inside-delta circuit					
<ul> <li>at 40 °C rated value</li> </ul>	55.4 A				
at 50 °C rated value	49 A				
at 60 °C rated value	45 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					
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	7.5 kW				
at 230 V at inside-delta circuit at 40 °C rated value	15 kW				
at 400 V at 40 °C rated value	15 kW				
at 400 V at inside-delta circuit at 40 °C rated value	22 kW				
Operating frequency 1 rated value	50 Hz				
Operating frequency 1 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	10 70, 1000010				
• at 40 °C after startup	10 W				
• at 50 °C after startup	9 W				
• at 60 °C after startup	8 W				
power loss [W] at AC at current limitation 350 %	· · ·				
• at 40 °C during startup	519 W				
at 50 °C during startup					
at 60 °C during startup	437 W				
	386 W				
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor				
Control circuit/ Control	100				
type of voltage of the control supply voltage	AC				
control supply voltage at AC	440 250 //				
● at 50 Hz	110 250 V				

● at 60 Hz	110 250 \/				
	110 250 V				
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %				
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %				
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %				
relative positive tolerance of the control supply voltage at AC at 60 Hz	10 %				
control supply voltage frequency	50 60 Hz				
relative negative tolerance of the control supply voltage frequency	-10 %				
relative positive tolerance of the control supply voltage frequency	10 %				
control supply current in standby mode rated value	100 mA				
holding current in bypass operation rated value	165 mA				
locked-rotor current at close of bypass contact	0.2 A				
maximum					
inrush current peak at application of control supply voltage maximum	43 A				
duration of inrush current peak at application of control supply voltage	1.6 ms				
design of the overvoltage protection	Varistor				
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply				
Inputs/ Outputs					
number of digital inputs	4				
parameterizable	4				
number of inputs for thermistor connection					
· .	1; Type A PTC or Klixon / Thermoclick				
number of digital outputs	4				
<ul> <li>number of digital outputs parameterizable</li> </ul>	3				
number of digital outputs not parameterizable	1				
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)				
number of analog outputs	1				
switching capacity current of the relay outputs					
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A				
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	1 A				
Installation/ mounting/ dimensions					
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)				
fastening method	screw fixing				
height	275 mm				
width	170 mm				
depth	152 mm				
required spacing with side-by-side mounting					
<ul><li>forwards</li></ul>	10 mm				
<ul><li>backwards</li></ul>	0 mm				
• upwards	100 mm				
<ul><li>downwards</li></ul>	75 mm				
at the side	5 mm				
weight without packaging	2.6 kg				
Connections/ Terminals					
type of electrical connection					
<ul> <li>for main current circuit</li> </ul>	screw-type terminals				
for control circuit	spring-loaded terminals				
wire length for thermistor connection					
• with conductor cross-section = 0.5 mm² maximum	50 m				
• with conductor cross-section = 1.5 mm² maximum	150 m				
<ul> <li>with conductor cross-section = 2.5 mm² maximum</li> </ul>	050				
	250 m				
type of connectable conductor cross-sections	250 M				

• for main contacts				
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)			
finely stranded with core end processing	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)			
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)			
type of connectable conductor cross-sections				
for control circuit solid	2x (0.25 1.5 mm²)			
<ul> <li>for control circuit finely stranded with core end</li> </ul>	2x (0.25 1.5 mm²)			
processing				
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)			
<ul> <li>at AWG cables for control circuit finely stranded with core end processing</li> </ul>	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				
for main contacts with screw-type terminals	2 2.5 N·m			
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m			
terminals				
tightening torque [lbf·in]				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf·in			
for auxiliary and control contacts with screw-type     terminals.	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	5 000 m; Derating as of 1000 m, see catalog			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or			
• during operation	above			
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C			
environmental category				
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt			
	mist), 3S2 (sand must not get into the devices), 3M6			
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
<ul> <li>during transport acc. to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
EMC emitted interference	acc. to IEC 60947-4-2: Class A, Class B on request			
Communication/ Protocol				
communication module is supported				
PROFINET standard	Yes			
PROFINET high-feature	Yes			
EtherNet/IP	Yes			
Modbus RTU	Yes			
Modbus TCP	Yes			
• PROFIBUS	Yes			
UL/CSA ratings				
manufacturer's article number				
<ul> <li>of circuit breaker</li> </ul>				
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA			
<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA			
<ul> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA			
— usable for High Faults at 460/480 V at insidedelta circuit according to UL	Siemens type: 3VA51, max. 60 A; lq max = 65 kA			
usable for Standard Faults at 575/600 V     according to UL	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA			
<ul> <li>usable for High Faults at 575/600 V at insidedelta circuit according to UL</li> </ul>	Siemens type: 3VA51, max. 60 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: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 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. 125 A; Iq = 5 kA				
<ul> <li>usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 125 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. 125 A; Iq = 5 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. 125 A; lq = 100 kA				
operating power [hp] for 3-phase motors					
<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	7.5 hp				
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	10 hp				
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	20 hp				
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp				
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	15 hp				
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	30 hp				
contact rating of auxiliary contacts according to UL	R300-B300				
Safety related data					
protection class IP on the front acc. to IEC 60529	IP20				
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front				
electromagnetic compatibility	acc. to IEC 60947-4-2				
ATEX					
certificate of suitability					
• ATEX	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		













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=3RW5516-3HA14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5516-3HA14}}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5516-3HA14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5516-3HA14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

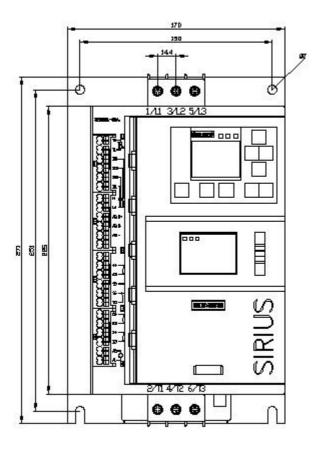
https://support.industry.siemens.com/cs/ww/en/ps/3RW5516-3HA14/char

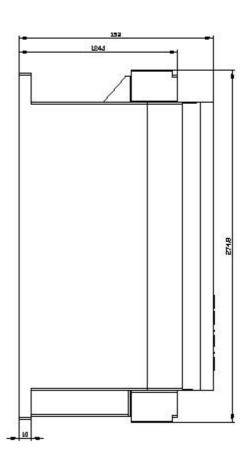
Characteristic: Installation altitude

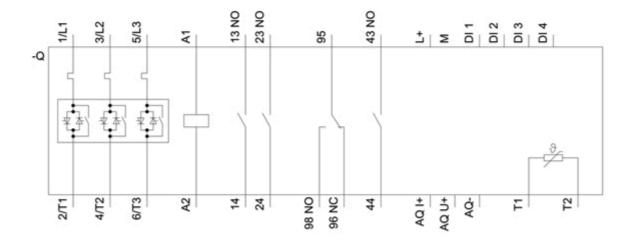
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5516-3HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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