## SIEMENS

## Data sheet

## 3RW5552-6HA16



SIRIUS soft starter 200-690 V 630 A, 110-250 V AC Screw terminals

Figure similar

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>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2580-6HN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; 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>	<u>3NB3350-1KK26: Type of coordination 2. Iq = 65 kA</u>
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NC3343-1U; Type of coordination 2, Iq = 65 kA</u>
eneral 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
5	
<ul> <li>UL approval</li> <li>CSA approval</li> </ul>	Yes
product component	Vee
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 10 60 %
current unbalance limiting value [%]	10 95 %
ground-fault monitoring limiting value [%] recovery time after overload trip adjustable	60 1 800 s
	00 1 000 S
<ul> <li>buffering time in the event of power failure</li> <li>for main current circuit</li> </ul>	100 ms
for control circuit	100 ms
	0 255 s
idle time adjustable	
insulation voltage rated value degree of pollution	690 V 3, acc. to IEC 60947-4-2
impulse voltage rated value	3, acc. to fee 60947-4-2 8 kV
blocking voltage of the thyristor maximum	1 800 V
service factor	1.15
surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
between main and auxiliary circuit	690 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
Substance Prohibitance (Date)	11.02.2019 00:00:00
product function	11.02.2010 00.00.00
• ramp-up (soft starting)	Yes
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes
<ul> <li>breakaway pulse</li> </ul>	Yes
adjustable current limitation	Yes
creep speed in both directions of rotation	Yes
• pump ramp down	Yes
• DC braking	Yes
motor heating	Yes
slave pointer function	Yes
trace function	Yes
intrinsic device protection	Yes
<ul> <li>motor overload protection</li> </ul>	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes; Only up to 600 V operating voltage
● auto-RESET	Yes
manual RESET	Yes
remote reset	Yes
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>operating measured value display</li> </ul>	Yes
event list	Yes
error logbook	Yes
via software parameterizable	Yes
via software configurable	Yes
screw terminal	Yes
<ul> <li>spring-type terminal</li> </ul>	No
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-
	Feature communication modules

firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	Yes
voltage ramp	Yes
torque control	Yes
<ul> <li>combined braking</li> </ul>	Yes
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes
<ul> <li>condition monitoring</li> </ul>	Yes
<ul> <li>automatic parameterisation</li> </ul>	Yes
<ul> <li>application wizards</li> </ul>	Yes
<ul> <li>alternative run-down</li> </ul>	Yes
<ul> <li>emergency operation mode</li> </ul>	Yes
<ul> <li>reversing operation</li> </ul>	Yes
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	630 A
<ul> <li>at 40 °C rated value minimum</li> </ul>	126 A
<ul> <li>at 50 °C rated value</li> </ul>	561 A
• at 60 °C rated value	510 A
operational current at inside-delta circuit	
• at 40 °C rated value	1 091 A
<ul> <li>at 50 °C rated value</li> </ul>	972 A
• at 60 °C rated value	883 A
operating voltage	
<ul> <li>rated value</li> </ul>	200 690 V
at inside-delta circuit rated value	200 600 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	
• at 230 V at 40 °C rated value	200 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	355 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	355 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	630 kW
<ul> <li>at 500 V at 40 °C rated value</li> </ul>	400 kW
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	
	710 kW
• at 690 V at 40 °C rated value	630 kW
at 690 V at 40 °C rated value     Operating frequency 1 rated value	630 kW 50 Hz
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value	630 kW 50 Hz 60 Hz
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency	630 kW 50 Hz 60 Hz -10 %
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency     relative positive tolerance of the operating frequency	630 kW 50 Hz 60 Hz -10 % 10 %
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency     relative positive tolerance of the operating frequency     minimum load [%]	630 kW 50 Hz 60 Hz -10 %
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency     relative positive tolerance of the operating frequency     minimum load [%]     power loss [W] for rated value of the current at AC	630 kW 50 Hz 60 Hz -10 % 10 %; Relative to set le
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency     relative positive tolerance of the operating frequency     minimum load [%]     power loss [W] for rated value of the current at AC         e at 40 °C after startup	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W
at 690 V at 40 °C rated value     Operating frequency 1 rated value     Operating frequency 2 rated value     relative negative tolerance of the operating frequency     relative positive tolerance of the operating frequency     minimum load [%]     power loss [W] for rated value of the current at AC         • at 40 °C after startup         • at 50 °C after startup	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC         <ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> </ul> </li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>power loss [W] at AC at current limitation 350 %</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % Relative to set le 189 W 135 W 108 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W 108 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 50 °C during startup</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W 7 123 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> <li>of the motor protection</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W 7 123 W Electronic, tripping in the event of thermal overload of the motor
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>bype of the motor protection</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W 7 123 W
<ul> <li>at 690 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>minimum load [%]</li> <li>power loss [W] for rated value of the current at AC</li> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> <li>at 60 °C during startup</li> <li>of the motor protection</li> </ul>	630 kW 50 Hz 60 Hz -10 % 10 % 10 %; Relative to set le 189 W 135 W 108 W 9 538 W 8 115 W 7 123 W Electronic, tripping in the event of thermal overload of the motor

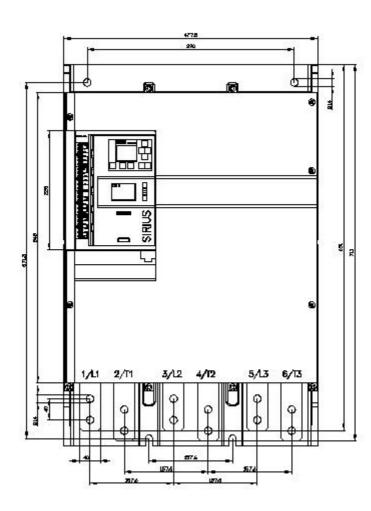
• at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	10 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-15 %
relative positive tolerance of the control supply 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	210 mA
locked-rotor current at close of bypass contact maximum	1 A
inrush current peak at application of control supply voltage maximum	44 A
duration of inrush current peak at application of control supply voltage	1.7 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
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	764 mm
width	478 mm
depth	241 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	45 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	screw-type terminals
width of connection bar maximum	55 mm
wire length for thermistor connection	
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
• with conductor cross-section = 0.5 mm maximum	150 m

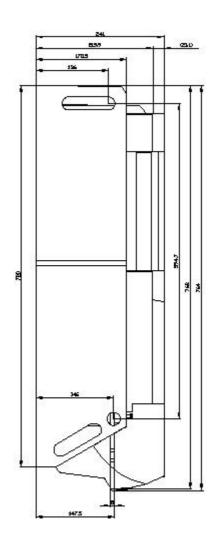
type of connectable conductor cross-sections	
type of connectable conductor cross-sections	
for DIN cable lug for main contacts stranded	2x (50 240 mm <sup>2</sup> )
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm <sup>2</sup> ), 2x (0.5 2.5 mm <sup>2</sup> )
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at DC maximum</li> </ul>	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	20 35 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]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	177 310 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	2 000 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
<ul> <li>during storage and transport</li> </ul>	-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
<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
Communication/ Protocol	
communication module is supported	
<ul> <li>PROFINET standard</li> </ul>	Yes
<ul> <li>PROFINET high-feature</li> </ul>	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
PROFIBUS UL/CSA ratings	Yes
	Yes
UL/CSA ratings	Yes
UL/CSA ratings manufacturer's article number	Yes Type: Class J / L, max. 2000 A; lq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V	
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V	Type: Class J / L, max. 2000 A; lq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL Operating power [hp] for 3-phase motors	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp
UL/CSA ratings manufacturer's article number <ul> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul> <li>operating power [hp] for 3-phase motors         <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul> </li>	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL <b>operating power [hp] for 3-phase motors</b> • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp 450 hp
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL <b>operating power [hp] for 3-phase motors</b> • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 575/600 V at 50 °C rated value	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp 450 hp 600 hp
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL <b>operating power [hp] for 3-phase motors</b> • at 200/208 V at 50 °C rated value • at 460/480 V at 50 °C rated value	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp 450 hp
UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL Operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value • at 220/230 V at 50 °C rated value • at 460/480 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 200/208 V at 50 °C rated value	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp 450 hp 600 hp

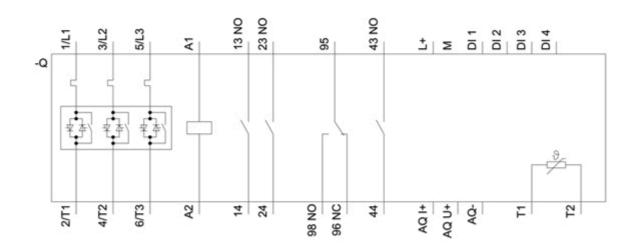
volue						
value ● at 575/600 V at value	inside-delta circuit at §	50 °C rated	1 050 h	р		
contact rating of au	contact rating of auxiliary contacts according to UL		R300-B300			
Safety related data						
protection class IP of	on the front acc. to IE	C 60529	IP00			
electromagnetic compatibility		acc. to	IEC 60947-4-2			
ATEX						
certificate of suitabi	lity					
• ATEX		Yes				
• IECEx		Yes				
<ul> <li>according to AT</li> </ul>	EX directive 2014/34/	EU	BVS 18	3 ATEX F 003 X		
type of protection according to ATEX directive 2014/34/EU			[Ex eb Gb] [Ex db Gb Ex db Mb]	o] [Ex pxb Gb], II (2)D	[Ex tb Db] [Ex pxb Db],	
hardware fault tolerance acc. to IEC 61508 relating to ATEX		0				
PFDavg with low de relating to ATEX	mand rate acc. to IEC	61508	0.008			
PFHD with high dem to ATEX	nand rate acc. to EN 6	62061 relating	0.00000	005 1/h		
Safety Integrity Leve to ATEX	el (SIL) acc. to IEC 61	508 relating	SIL1			
T1 value for proof te IEC 61508 relating to	est interval or service o ATEX	life acc. to	3 у			
Certificates/ approval						
						For use in hazard-
Conoral Broduct An	proval				EMC	FOI use in nazaru-
General Product Ap	oproval				EMC	ous locations
General Product Ap		٩		EAC	EMC	
General Product Ap	oproval	(U) UL		EAC		
General Product Ap	Declaration of Conformity	UL UL	ates	<b>ERIC</b> Marine / Shipping	EMC	
For use in hazard-	ccc Declaration of	Test Certifica Type Test Ce ates/Test Re	ertific-	Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity CCC EG-Konf.	<u>Type Test Ce</u> ates/Test Re	ertific- eport	ERC Marine / Shipping	EMC RCM	ous locations
For use in hazard- ous locations	Declaration of Conformity Conformity Conformity Conformity Conformity Conformity	<u>Type Test Ce</u> <u>ates/Test Re</u> ogs, Brochures,. h/Catalog/produc //CAXorder/defau Characteristics,	ertific- eport ) t?mlfb=3F lt.aspx?la , FAQs,)	ABS RW55552-6HA16 ng=en&mlfb=3RW55	RCM	ous locations

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5552-6HA16&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







last modified:

3/9/2021 🖸