SIEMENS

Data sheet

3RW5545-2HA06



SIRIUS soft starter 200-690 V 315 A, 24 V AC/DC spring-type terminals

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>
 of communication module PROFINET high-feature usable 	<u>3RW5950-0CH00</u>
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>
 of circuit breaker usable at 400 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1334-2; Type of coordination 2, Iq = 65 kA</u>

 \bullet of back-up R fuse link for semiconductor protection usable up to 690 V

3NE3336; Type of coordination 2, Iq = 65 kA

General technical data

General 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			
CSA approval	Yes			
product component				
HMI-High Feature	Yes			

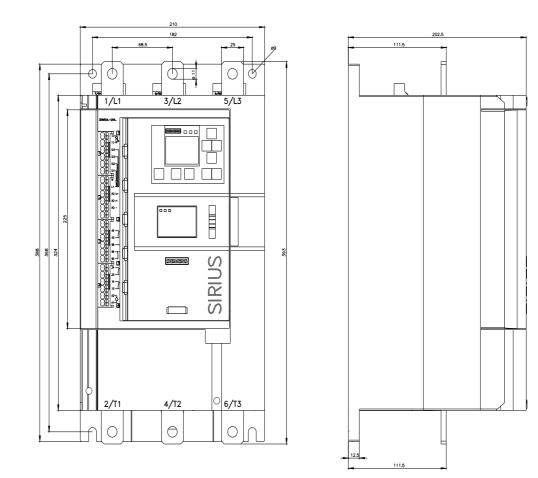
 is supported HMI-High Feature 	Yes				
product feature integrated bypass contact system	Yes				
number of controlled phases	3				
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2				
current unbalance limiting value [%]	10 60 %				
ground-fault monitoring limiting value [%]	10 95 %				
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	690 V				
degree of pollution	3, acc. to IEC 60947-4-2				
impulse voltage rated value	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 protective separation					
between main and auxiliary circuit	690 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				
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				
 slave pointer function 	Yes				
trace function	Yes				
 intrinsic device protection 	Yes				
 motor overload protection 	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)				
 evaluation of thermistor motor protection 	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				
communication function	Yes				
operating measured value display	Yes				
• event list	Yes				
• error logbook	Yes				
via software parameterizable	Yes				
via software configurable	Yes				
screw terminal	No				
spring-loaded terminal	Yes				
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-Feature communication modules				
• firmware update	Yes				
removable terminal for control circuit	Yes				
voltage ramp	Yes				
torque control	Yes				
combined braking	Yes				
analog output	Yes; 4 20 mA (default) / 0 10 V				
 programmable control inputs/outputs 	Yes				
 condition monitoring 	Yes				

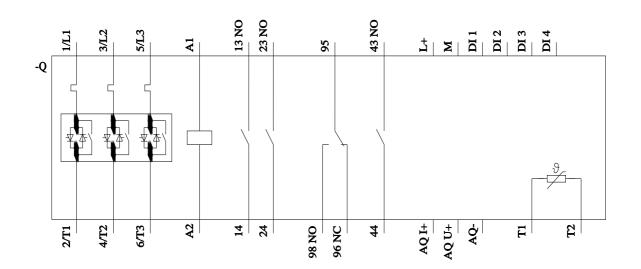
 automatic parameterisation 	Yes
 application wizards 	Yes
 alternative run-down 	Yes
 emergency operation mode 	Yes
 reversing operation 	Yes
 soft starting at heavy starting conditions 	Yes
Power Electronics	
operational current	
 at 40 °C rated value 	315 A
 at 40 °C rated value minimum 	63 A
• at 50 °C rated value	279 A
• at 60 °C rated value	255 A
operational current at inside-delta circuit	
 at 40 °C rated value 	546 A
• at 50 °C rated value	483 A
• at 60 °C rated value	442 A
operating voltage	
rated value	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	90 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	160 kW
• at 400 V at 40 °C rated value	160 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	315 kW
• at 500 V at 40 °C rated value	200 kW
 at 500 V at inside-delta circuit at 40 °C rated value 	355 kW
• at 690 V at 40 °C rated value	315 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency	-10 %
relative positive tolerance of the operating frequency	10 %
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	
 at 40 °C after startup 	
	95 W
• at 50 °C after startup	95 W 84 W
• at 50 °C after startup	84 W
 at 50 °C after startup at 60 °C after startup 	84 W
at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 %	84 W 77 W
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup 	84 W 77 W 4 966 W
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection	84 W 77 W 4 966 W 4 153 W
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup 	84 W 77 W 4 966 W 4 153 W 3 646 W
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection	84 W 77 W 4 966 W 4 153 W 3 646 W
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value relative negative tolerance of the control supply voltage at 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V 24 V 20 %
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V 24 V 20 %
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V 20 % 20 %
 at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz 	84 W 77 W 4 966 W 4 153 W 3 646 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V -20 % 20 % 20 %

relative positive tolerance of the control supply voltage frequency	10 %				
control supply voltage					
• at DC rated value	24 V				
relative negative tolerance of the control supply voltage at DC	-20 %				
relative positive tolerance of the control supply voltage at DC	20 %				
control supply current in standby mode rated value	440 mA				
holding current in bypass operation rated value	720 mA				
inrush current by closing the bypass contacts maximum	6.7 A				
inrush current peak at application of control supply voltage maximum	7.5 A				
duration of inrush current peak at application of control supply voltage	20 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				
height	393 mm				
width	210 mm				
depth	203 mm				
•					
required spacing with side-by-side mounting					
	10 mm				
required spacing with side-by-side mounting	10 mm 0 mm				
required spacing with side-by-side mounting • forwards					
required spacing with side-by-side mounting forwards backwards 	0 mm				
required spacing with side-by-side mounting forwards backwards upwards 	0 mm 100 mm				
required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	0 mm 100 mm 75 mm				
required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	0 mm 100 mm 75 mm 5 mm				
required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging	0 mm 100 mm 75 mm 5 mm				
required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals	0 mm 100 mm 75 mm 5 mm				
required spacing with side-by-side mounting forwards backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection 	0 mm 100 mm 75 mm 5 mm 10.2 kg				
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 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection				
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 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals				
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	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals				
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 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm				
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 with conductor cross-section = 0.5 mm² maximum 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m				
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 with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m				
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 with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m				
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 for control circuit with of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m				
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 with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm ²)				
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 with conductor cross-section with conductor cross-section = 1.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded 	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm ²)				
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 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum • with conductor cross-section = 2.5 mm ² maximum • with conductor cross-section = 2.5 mm ² maximum • with conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm ²) 2x (70 240 mm ²)				
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 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum • with conductor cross-section = 2.5 mm ² maximum • with conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm ²) 2x (0.25 1.5 mm ²)				
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 mm ² maximum • with conductor cross-section = 1.5 mm ² maximum • with conductor cross-section = 2.5 mm ² maximum • with conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit solid • for control circuit finely stranded with core end processing	0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection spring-loaded terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm ²) 2x (70 240 mm ²) 2x (0.25 1.5 mm ²)				

	200
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	14 24 N·m
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	124 210 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	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
 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)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
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	
of circuit breaker	
 — usable for Standard Faults at 460/480 V according to UL 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA
— usable for High Faults at 460/480 V according to UL	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA
— usable for Standard Faults at 460/480 V at inside-	Siemens type: 3VA54, max. 600 A; Ig = 18 kA
delta circuit according to UL	
 — usable for High Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA54, max. 600 A; lq max = 65 kA
 — usable for Standard Faults at 575/600 V according to UL 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA
 — usable for High Faults at 575/600 V at inside-delta circuit according to UL 	Siemens type: 3VA54, max. 600 A; lq max = 65 kA
 — usable for Standard Faults at 575/600 V at inside- delta circuit according to UL 	Siemens type: 3VA54, max. 600 A; Iq = 18 kA
of the fuse	
 — usable for Standard Faults up to 575/600 V according to UL 	Type: Class J / L, max. 1000 A; lq = 18 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 1000 A; Iq = 100 kA
 — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 1000 A; Iq = 18 kA
 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 1000 A; lq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	75 hp
• at 220/230 V at 50 °C rated value	100 hp
• at 460/480 V at 50 °C rated value	200 hp
• at 575/600 V at 50 °C rated value	250 hp
• at 200/208 V at inside-delta circuit at 50 °C rated value	150 hp
• at 220/230 V at inside-delta circuit at 50 °C rated value	200 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	400 hp
• at 575/600 V at inside-delta circuit at 50 °C rated value	500 hp
contact rating of auxiliary contacts according to UL	R300-B300
······································	

Cofety volated det							
Safety related data	he front according to	IEC 60520	IDOO	IP20 with cover			
protection class IP on the				IP20 with cover	the second by the franch with a sure s		
touch protection on the front according to IEC 60529			Ŭ	,	t from the front with cover		
electromagnetic compa	tibility		acc. 1	acc. to IEC 60947-4-2			
ATEX							
,	certificate of suitability						
	• ATEX						
	• IECEX						
	directive 2014/34/EU	(2014/24/EU		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 according to IEC 61508 relating to ATEX		0					
PFDavg with low demand rate according to IEC 61508 relating to ATEX		0.008	0.008				
PFHD with high demand to ATEX	PFHD with high demand rate according to EN 62061 relating		5E-7	1/h			
Safety Integrity Level (S to ATEX	SIL) according to IEC (61508 relating	SIL1				
T1 value for proof test in IEC 61508 relating to AT		according to	3 a				
Certificates/ approvals	val					EMC	
General Product Appro	val					EWIC	
		<u>Confirmatic</u>	<u>nc</u>		EHC	RCM	
For use in hazardous lo	ocations	Declaration of formity	Con-	Test Certificates	Marine / Shipping		
KEx ATEX	IECEx	CE EG-Konf.		Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS	
Marine / Shipping		other					
Lloyds Kegister uis	PRS	<u>Confirmatic</u>	<u>nc</u>				
Further information							
Siemens has decided to	exit the Russian mai	rket (see here).					
https://press.siemens.com Siemens is working on Please contact your local EAC relevant market (oth	n/global/en/pressreleas the renewal of the cur Siemens office on the ler than the sanctioned	e/siemens-wind-do rrent EAC certification status of validity of	ates. f the EA	C certification if you inter	nd to import or offer to supp	bly these products to an	
Information on the pack https://support.industry.sig	emens.com/cs/ww/en/v						
Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system)							
https://mall.industry.sieme Cax online generator		talog/product?mlfb	= <u>3RW5</u>	<u>545-2HA06</u>			
http://support.automation. Service&Support (Manu	als, Certificates, Cha	racteristics, FAQ	s,)	en&mlfb=3RW5545-2HA	<u>.06</u>		
https://support.industry.sid Image database (produc	ct images, 2D dimens	ion drawings, 3D	models		ns, EPLAN macros,)		
http://www.automation.sie Characteristic: Tripping https://support.industry.sie	characteristics, I ² t, L	et-through curren	nt	<u>2HA06⟨=en</u>			
Characteristic: Installati	ion altitude			<u>=3RW5545-2HA06&obj</u> e	ecttype=14&gridview=view	1	
Simulation Tool for Soft https://support.industry.si		view/101494917			-		
3RW55452HA06			7/07/	2000	Subject to o	change without notice	





last modified:

5/1/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 3RW55452HA06