SIEMENS

Data sheet

3RW5548-2HA06



SIRIUS soft starter 200-690 V 570 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 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit breaker usable at 400 V at inside-delta circuit 	<u>3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10</u>		
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2510-6HN32-0AA0; 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>3NE1437-2; Type of coordination 2, Iq = 65 kA</u>		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NC3342-1U; Type of coordination 2, Iq = 65 kA</u>		
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	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 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)	15.02.2018 00:00:00
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
	K I
 screw terminal 	No
screw terminalspring-type terminal	Yes

	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	570 A				
 at 40 °C rated value minimum 	114 A				
● at 50 °C rated value	504 A				
● at 60 °C rated value	460 A				
operational current at inside-delta circuit					
• at 40 °C rated value	987 A				
• at 50 °C rated value	873 A				
at 60 °C rated value	796 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 % 10 %				
relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at	-15 %				
inside-delta circuit	-10 /0				
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 	160 kW				
 at 230 V at inside-delta circuit at 40 °C rated value 	315 kW				
 at 400 V at 40 °C rated value 	315 kW				
 at 400 V at inside-delta circuit at 40 °C rated value 	560 kW				
 at 500 V at 40 °C rated value 	355 kW				
 at 500 V at inside-delta circuit at 40 °C rated value 	630 kW				
• at 690 V at 40 °C rated value	560 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 	171 W				
• at 50 °C after startup	151 W				
• at 60 °C after startup	141 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	10 229 W				
• at 50 °C during startup	8 488 W				
• at 60 °C during startup	7 651 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/DC				
control supply voltage at AC					

	0414				
at 50 Hz rated value	24 V				
at 60 Hz rated value relative negative tolerance of the control supply	24 V -20 %				
voltage at AC at 50 Hz	-20 %				
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %				
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %				
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %				
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 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				
locked-rotor current at close of bypass contact 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				
	not part of boops of bapping				
Inputs/ Outputs					
Inputs/ Outputs number of digital inputs	4				
• parameterizable	4 4				
number of digital inputs	4				
number of digital inputs parameterizable number of inputs for thermistor connection number of digital outputs 	4 4 1; Type A PTC or Klixon / Thermoclick 4				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs	4 4 1; Type A PTC or Klixon / Thermoclick 4 3				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO)				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	4 4 1: Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	4 4 1: Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • upwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting oforwards ownwards odownwards odownwards	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • at the side weight without packaging Connections/ Terminals	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm				
number of digital inputs • parameterizable number of inputs for thermistor connection • number of digital outputs • number of digital outputs parameterizable • number of digital outputs not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • at the side weight without packaging	4 4 1; Type A PTC or Klixon / Thermoclick 4 3 1 3 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 5 mm				

	apring loaded terminals				
• for control circuit	spring-loaded terminals				
width of connection bar maximum	45 mm				
wire length for thermistor connection					
• with conductor cross-section = 0.5 mm ² maximum	50 m				
• with conductor cross-section = 1.5 mm ² maximum	150 m				
 with conductor cross-section = 2.5 mm² maximum 	250 m				
type of connectable conductor cross-sections					
 for DIN cable lug for main contacts stranded 	2x (50 240 mm²)				
 for DIN cable lug for main contacts finely stranded 	2x (70 240 mm²)				
type of connectable conductor cross-sections					
 for control circuit solid 	2x (0.25 1.5 mm²)				
 for control circuit finely stranded with core end 	2x (0.25 1.5 mm²)				
processing					
 at AWG cables for control circuit solid 	2x (24 16)				
 at AWG cables for control circuit finely stranded with 	2x (24 16)				
core end processing					
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 	14 24 N·m				
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m				
terminals					
tightening torque [lbf·in]					
 for main contacts with screw-type terminals 	124 210 lbf·in				
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in				
terminals					
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 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	400.10120.00041 4.2. 0140071				
Communication/ Protocol communication module is supported					
	Yes				
communication module is supported					
communication module is supported PROFINET standard 	Yes				
communication module is supported PROFINET standard PROFINET high-feature 	Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU	Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP	Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of the fuse	Yes Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V	Yes Yes Yes Yes				
communication module is supported • PROFINET standard • PROFINET high-feature • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS 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	Yes Yes Yes Yes Yes				
communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 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	Yes Yes Yes Yes Yes Yes				
communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 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 — usable for High Faults at inside-delta circuit up	Yes Yes Yes Yes Yes Yes Type: Class J / L, max. 1600 A; lq = 30 kA Type: Class J / L, max. 1200 A; lq = 100 kA				
communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 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 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes Yes Type: Class J / L, max. 1600 A; lq = 30 kA Type: Class J / L, max. 1200 A; lq = 100 kA Type: Class J / L, max. 1600 A; lq = 30 kA				
communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 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 — usable for High Faults at inside-delta circuit up	Yes Yes Yes Yes Yes Yes Type: Class J / L, max. 1600 A; lq = 30 kA Type: Class J / L, max. 1200 A; lq = 100 kA Type: Class J / L, max. 1600 A; lq = 30 kA				

 at 220/230 V at 	t 50 °C rated value		200 hp				
 at 460/480 V at 	t 50 °C rated value		400 hp				
 at 575/600 V at 	t 50 °C rated value		500 h	500 hp			
● at 200/208 V at value	t inside-delta circuit at 5	50 °C rated	300 h	300 hp			
● at 220/230 V at value	t inside-delta circuit at 5	50 °C rated	350 hp				
● at 460/480 V at value	t inside-delta circuit at 5	50 °C rated	750 h	750 hp			
● at 575/600 V at value	t inside-delta circuit at 5	50 °C rated	950 h	950 hp			
contact rating of au	xiliary contacts accor	ding to UL	R300	R300-B300			
Safety related data	•						
	on the front acc. to IE	C 60529	IP00:	IP20 with cover			
	the front acc. to IEC				act from the front with	cover	
electromagnetic cor				o IEC 60947-4-2		00701	
ATEX	inpationity		ucc. 1	01200034742			
certificate of suitabi	11:4		_	_	_	_	
ATEX	inty		Vaa	Mar.			
• IECEx				Yes			
	TEX directive 2014/24/	-11					
	according to ATEX directive 2014/34/EU type of protection according to ATEX directive			BVS 18 ATEX F 003 X			
2014/34/EU	ccording to ATEX dife	ective		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		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 Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX		0.0000005 1/h					
		SIL1					
T1 value for proof te IEC 61508 relating to	est interval or service o ATEX	life acc. to	3 у				
Certificates/ approval	ls						
						For use in hazard-	
General Product Ap	oproval				EMC	ous locations	
(SP)		ሠ		EAC		IECE×	
CSA	ccc	UL			KC M	IECEx	
For use in hazard- ous locations	Declaration of Conformity	Test Certifica	ates	Marine / Shipping			
K x ATEX	CE EG-Konf.	<u>Type Test Ce</u> ates/Test Re		ABS	B UREAU VERITAS	Lloyd's Register uts	
other							

other

Confirmation

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=3RW5548-2HA06

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5548-2HA06

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5548-2HA06

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5548-2HA06&lang=en

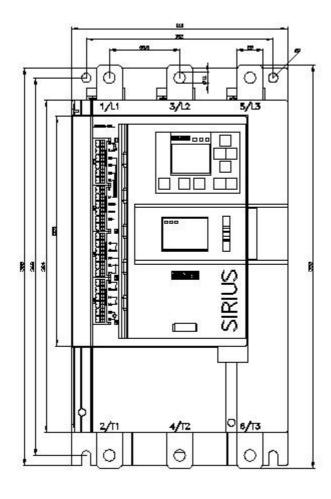
Characteristic: Tripping characteristics, I²t, Let-through current

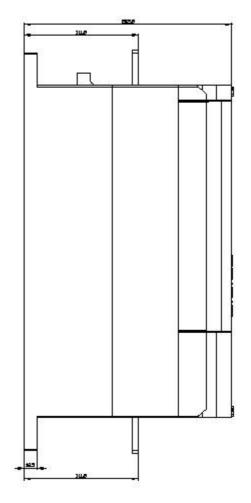
https://support.industry.siemens.com/cs/ww/en/ps/3RW5548-2HA06/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5548-2HA06&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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