SIEMENS

Data sheet

3RW5077-2TB14



SIRIUS soft starter 200-480 V 570 A, 110-250 V AC Spring-loaded terminals Thermistor input

Figure s	imilar
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product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW50
manufacturer's article number	
 of standard HMI module usable 	<u>3RW5980-0HS01</u>
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</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 assignment 1, Iq = 65 kA
 of circuit breaker usable at 500 V 	<u>3VA2580-6HN32-0AA0; Type of assignment 1, lq = 65 kA</u>
 of the gG fuse usable up to 690 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>3NE1 437-2; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3 340-8; Type of coordination 2. Iq = 65 kA</u>
 of line contactor usable up to 480 V 	3TF68
 of line contactor usable up to 690 V 	3TF68
Seneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 20 s
ramp-down time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	
• CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component is supported	
HMI-Standard	Yes
HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	2

trip class CLASS 10A / 10E (preset) / 20E; acc. to IEC 80947.4-2 • for rain current circuit 100 ms • for rain current circuit 100 ms Insulation voltage rated value 600 V degree of pollution 3, acc. to IEC 80947.4-2 Impulse voltage rated value 6 kV blocking voltage of the thyristor maximum 6 kV maximum parent solutation 6 kV maximum parent solutation voltage rated value 6 kV maximum parent solutation voltage rated value 6 kV elevice factor 1 • tarkinum parent solutation voltage rated value 6 kV maximum parent solutation resistance 15 g/ 11 ms, from 12 g/ 11 ms, with potential contact lifting • tarkinum parent solutation resistance 15 g/ 11 ms, from 12 g/ 11 ms, with potential contact lifting • rang-oux (solt stolp) Yes • solution resistance 15 g/ 11 ms, from 12 g/ 11 ms, with potential contact lifting • indire rowelad protection Yes • indire rowelad protec		
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• for control circuit 100 ms insulation votings rated value 600 V degree of polution 3, acc, to IEC 60947-4-2 Impuise voltage rated value 6 kV blocking voltage of the thyristor maximum 1600 V service factor 1 surge voltage resistance rated value 6 kV maximum permissible voltage for safe foolation 6 kV * between main and auxiliary circuit 600 V * standance Frohibitance (Date) 23.09.2019 00:00:00 product function 15 g / 11 ms, with potential contact lifting * standance Frohibitance (Date) 23.09.2019 00:00:00 • adjustable current limitation Yes • standance for bottection Yes • adjustable current limitation Yes • adjustable current limitation Yes • andia dowice protection Yes • motor overidad protection Yes • motor overidad protection Yes	buffering time in the event of power failure	
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maximum permissible voltage for safe isolation obtween main and auxiliary circuit 600 V abock resistance 15 g / 11 ms. from 12 g / 11 ms with potential contact lifting vibration resistance 15 mm to 6 Hz, 2g to 500 Hz reference code sac. to IEC 81364-2 Q Substance Prohibitance (Date) 23.09.2019 00:00:00 product function Yes • amp-down (soft storg) Yes • adjustable current limitation Yes • andor overload protection Yes • motor overload protection Yes • analog protection Yes • analog protection Yes • analog protection Yes • analog colopok Yes • analog colopok Yes • aron to protection Yes • analog output <td< td=""><td>service factor</td><td>1</td></td<>	service factor	1
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reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 23.09.2019 00:00:00 product function Yes • ramp-up (soft starting) Yes • adjustable current limitation Yes • upm pramp down Yes • intrinsic device protection Yes • motor overload protection Yes • evaluation of thermistor motor protection Yes, Type A PTC or Klixon / Thermoclick • auto-RESET Yes • manual RESET Yes • remote reset Yes; Only in conjunction with special accessories • operating measured value display Yes; Only in conjunction with special accessories • via software parameterizable No • via software configurable Yes • via software control No • ordige ramp Yes • torque control No • ordige ramp Yes • torque control No • at 60 °C rated value 500 A • at 60 °	shock resistance	
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product function Yes • ramp-up (soft starting) Yes • ramp-up (soft starting) Yes • soft Torque Yes • adjustable current limitation Yes • untor overload protection Yes • motor overload protection Yes • motor overload protection Yes • evaluation of thermistor motor protection Yes • auto-RESET Yes • remotor sett Yes • operating measured value display Yes: Only in conjunction with special accessories • error logbook Yes • via software parameterizable No • via software configurable Yes • via software configurable Yes • torque control No • analog output No Power Electronics 200 480 V • relative positive tolerance of the operating voltage -15 % • relative positive tolerance of the operating requency 10 % operating frequency 1 rated value 50 Hz operating frequency		Q
• ramp-up (soft starting) Yes • ramp-down (soft stop) Yes • Soft Torque Yes • adjustable current limitation Yes • unit risis device protection Yes • motor overload protection Yes • motor overload protection Yes • evaluation of thermistor motor protection Yes • evaluation function Yes • coperating measured value display Yes • or operating value display Yes • vis software configurable Yes • vis software configurable Yes • vis software configurable Yes • vis asoftware configurable Yes • voltage ramp Yes • voltage ramp Yes • voltage ramp Yes • al do °C rated value 570 A • at do °C rated value 504 A	Substance Prohibitance (Date)	23.09.2019 00:00:00
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• adjustable current limitation Yes • pump ramp down 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 • auto-RESET Yes • manual RESET Yes • remote reset Yes; Type A PTC or Klixon / Thermoclick • operating measured value display Yes; Only in conjunction with special accessories • via software parameterizable No • via software parameterizable No • via software configurable Yes; in connection with the PROFINET Standard communication module • voltage ramp Yes; nonnection with the PROFINET Standard communication module • voltage ramp Yes • torque control No • at 40 °C rated value 570 A • at 60 °C rated value 540 A • at 60 °C rated value 500 A • at 60 °C rated value 10 % • at 60 °C rated value	 ramp-down (soft stop) 	Yes
• pump ramp down 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, Full motor protection • evaluation of thermistor motor protection Yes, Type A PTC or Kikkon / Thermoclick • auto-RESET Yes • remote reset Yes, By turning off the control supply voltage • communication function Yes • operating measured value display Yes, Only in conjunction with special accessories • via software parameterizable No • via software configurable Yes • via software configurable Yes • voltage ramp Yes • voltage ramp Yes • operational current sat00 °C rated value • at 60 °C rated value 570 A • at 60 °C rated value 500 480 V • relative positive tolerance of the operating voltage 10 % • at 60 °C rated value 504 A • at 60 °C rated value 504 A • at 60 °C rated value 50 %	Soft Torque	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 • auto-RESET Yes • manual RESET Yes • remote reset Yes; Dy turning off the control supply voltage • communication function Yes; Only in conjunction with special accessories • error logbook Yes; Only in conjunction with special accessories • via software parameterizable No • via software configurable Yes • via software configurable Yes • voltage ramp Yes • torque control No • analog output No Power Electronics Yes operational current 570 A • at 60 °C rated value 500 A • at 60 °C rated value 500 A • at 60 °C rated value 500 A • at 60 °C rated value 10 % • at 60 °C rated value 10 % • at 60 °C rated value 10 %	 adjustable current limitation 	Yes
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• error logbook Yes; Only in conjunction with special accessories • via software parameterizable No • via software configurable Yes • PROFlenergy Yes; in connection with the PROFINET Standard communication module • voltage ramp Yes • torque control No • analog output No Power Electronics Operational current • at 40 °C rated value 570 A • at 60 °C rated value 504 A • at 60 °C rated value 460 A • at 60 °C rated value 200 480 V relative negative tolerance of the operating voltage 15 % relative positive tolerance of the operating voltage 10 % operating power for 3-phase motors 10 % • at 200 V at 40 °C rated value 315 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz • at 200 V at 40 °C rated value 10 % operating frequency 1 rated value 10 %	 communication function 	Yes
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operating power for 3-phase motors 160 kW • at 230 V at 40 °C rated value 160 kW • at 400 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 % adjustable motor current 240 A	relative negative tolerance of the operating voltage	
• at 230 V at 40 °C rated value160 kW• at 400 V at 40 °C rated value315 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative positive tolerance of the operating frequency10 %adjustable motor current240 A		10 %
• at 400 V at 40 °C rated value315 kWOperating frequency 1 rated value50 HzOperating frequency 2 rated value60 Hzrelative negative tolerance of the operating frequency-10 %relative positive tolerance of the operating frequency10 %adjustable motor current240 A		
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 % adjustable motor current 240 A		
Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency -10 % relative positive tolerance of the operating frequency 10 % adjustable motor current -10 % • at rotary coding switch on switch position 1 240 A		
relative negative tolerance of the operating frequency -10 % relative positive tolerance of the operating frequency 10 % adjustable motor current 10 % • at rotary coding switch on switch position 1 240 A		
relative positive tolerance of the operating frequency 10 % adjustable motor current 40 A • at rotary coding switch on switch position 1 240 A		
adjustable motor current • at rotary coding switch on switch position 1 240 A		
at rotary coding switch on switch position 1 240 A		10 %
	-	
• at rotary coding switch on switch position 2 262 A		
• at rotary coding switch on switch position 3 284 A	 at rotary coding switch on switch position 3 	284 A

 at rotary coding switch on switch position 4 	306 A
 at rotary coding switch on switch position 5 	328 A
 at rotary coding switch on switch position 6 	350 A
 at rotary coding switch on switch position 7 	372 A
 at rotary coding switch on switch position 8 	394 A
 at rotary coding switch on switch position 9 	416 A
 at rotary coding switch on switch position 10 	438 A
 at rotary coding switch on switch position 10 at rotary coding switch on switch position 11 	460 A
at rotary coding switch on switch position 12	482 A
 at rotary coding switch on switch position 13 	504 A
 at rotary coding switch on switch position 14 	526 A
 at rotary coding switch on switch position 15 	548 A
 at rotary coding switch on switch position 16 	570 A
• minimum	240 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
 at 40 °C after startup 	73 W
• at 50 °C after startup	57 W
• at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	7 019 W
• at 50 °C during startup	5 801 W
• at 60 °C during startup	5 048 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	440 050.14
• at 50 Hz	110 250 V
• 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	30 mA
holding current in bypass operation rated value	105 mA
locked-rotor current at close of bypass contact maximum	2.2 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 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	1
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	0

evitables conseits correct of the relay outputs	-
switching capacity current of the relay outputs	2.4
• 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	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	230 mm
width	160 mm
depth	282 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	7.3 kg
Connections/ Terminals	
type of electrical connection	husbar connection
for main current circuit	busbar connection
• 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 mm² maximum 	150 m
 with conductor cross-section = 2.5 mm² maximum 	250 m
type of connectable conductor cross-sections	
 for main contacts for box terminal using the front clamping point solid 	95 300 mm²
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	70 240 mm²
 for main contacts for box terminal using the front clamping point finely stranded without core end processing 	70 240 mm²
 for main contacts for box terminal using the front clamping point stranded 	95 300 mm²
 at AWG cables for main contacts for box terminal using the front clamping point 	3/0 600 kcmil
 for main contacts for box terminal using the back clamping point solid 	120 240 mm²
 at AWG cables for main contacts for box terminal using the back clamping point 	250 500 kcmil
 for main contacts for box terminal using both clamping points solid 	min. 2x 70 mm², max. 2x 240 mm²
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 for main contacts for box terminal using both clamping points finely stranded without core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 for main contacts for box terminal using both clamping points stranded 	min. 2x 70 mm², max. 2x 240 mm²
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	120 185 mm²
 for main contacts for box terminal using the back clamping point finely stranded without core end processing 	120 185 mm²
for main contacts for box terminal using the back clamping point stranded	120 240 mm²
 type of connectable conductor cross-sections at AWG cables for main current circuit solid 	2/0 500 kcmil

for DIN cable lug for main contacts stranded	50 240 mm ²
for DIN cable lug for main contacts finely stranded	70 240 mm²
type of connectable conductor cross-sections	
for control circuit solid	2x (0.25 1.5 mm ²)
 for control circuit finely stranded with core end processing 	2x (0.25 1.5 mm²)
 at AWG cables for control circuit solid 	2x (24 16)
at AWG cables for control circuit finely stranded with core end processing	2x (24 16)
wire length	
 between soft starter and motor maximum 	800 m
 at the digital inputs at AC 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	5 000 m; Derating as of 1000 m, see manual
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
 during storage and transport 	-40 +80 °C
environmental category	
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
• during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during transport acc. to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
 PROFINET standard 	Yes
PROFINET standard EtherNet/IP	Yes
EtherNet/IP	Yes
EtherNet/IPModbus RTU	Yes Yes
EtherNet/IPModbus RTUModbus TCP	Yes Yes Yes
 EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 	Yes Yes Yes
EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings	Yes Yes Yes
EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes
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
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 Type: Class L, max. 1600 A; lq = 30 kA
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	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA
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 High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA
 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 operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA
 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 gerating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	Yes Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA
 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 High Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL — usable for Jigh Faults up to 575/600 V according to UL 	Yes Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA
 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 High Faults up to 575/600 V according to UL usable for according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value Safety related data 	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp
 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 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 Safety related data protection class IP on the front acc. to IEC 60529 	Yes Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp
 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 High Faults 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 Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 	Yes Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp
 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 High Faults up to 575/600 V according to UL according to UL usable 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 Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 	Yes Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp
 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 High Faults 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 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp HP00; IP20 with cover finger-safe, for vertical contact from the front with cover
 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 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 Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 ATEX Certificate of suitability ATEX 	Yes Yes Yes Type: Class L, max. 1600 A; lq = 30 kA Type: Class L, max. 1200 A; lq = 100 kA 150 hp 200 hp 400 hp IP00; IP20 with cover finger-safe, for vertical contact from the front with cover Yes

PFDavg with low de relating to ATEX	emand rate acc. to IEC	61508	0.09			
PFHD with high der to ATEX	nand rate acc. to EN 62	2061 relating	0.000009 1/h			
Safety Integrity Lev to ATEX	el (SIL) acc. to IEC 615	08 relating	SIL1			
T1 value for proof to IEC 61508 relating t	est interval or service l o ATEX	ife acc. to	3 у			
Certificates/ approva	ls					
General Product A	pproval			F	or use in hazardo	us locations
(\$P		(h	EAC		(Ex)	IECEx

Declaration of Confo	rmity	Test Certificates	other	
CE	Miscellaneous	Type Test Certific- ates/Test Report	<u>Confirmation</u>	

Further information

EG-Konf.

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=3RW5077-2TB14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5077-2TB14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5077-2TB14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5077-2TB14&lang=en

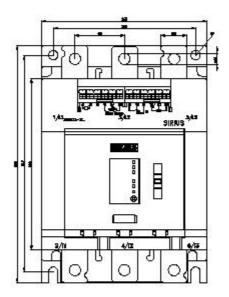
Characteristic: Tripping characteristics, I²t, Let-through current

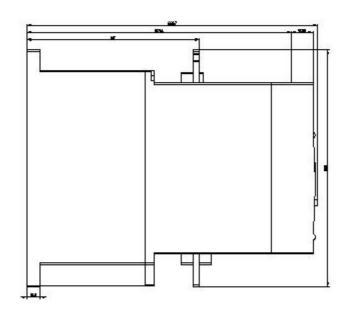
https://support.industry.siemens.com/cs/ww/en/ps/3RW5077-2TB14/char

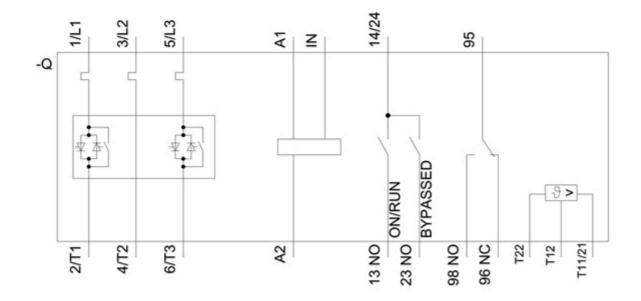
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5077-2TB14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







last modified:

6/24/2021 🖸