SIEMENS

Data sheet

3RW5217-1TC14



SIRIUS soft starter 200-480 V 38 A, 110-250 V AC Screw terminals Thermistor input

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
 of standard HMI module usable 	<u>3RW5980-0HS00</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 	3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4WA10; Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4RA10: Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	<u>3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10</u>
 of the gG fuse usable up to 690 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3824-6; Type of coordination 1, Iq = 65 kA</u>
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1820-0; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8024-1; Type of coordination 2, Iq = 65 kA</u>
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
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

The class CLASS 10A (default) / 10E / 20E; acc. to IEC 60947.4-2 boffering fine in the event of power failure 100 ms is the minic current direcuit 100 ms is the minic current direcuit 100 ms is the minic current direcuit 00 ms is the minic current direcuit 00 ms is the direcuit </th <th>number of controlled phases</th> <th>3</th>	number of controlled phases	3			
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product function Yes • ramp-up (soft starting) Yes • soft Torque Yes • Soft Torque Yes • adjustable current limitation Yes • pump ramp down Yes • initrinsic 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 • auto-RESET Yes • auto-RESET Yes; Durning off the control supply voltage • communication function Yes; Only in conjunction with special accessories • drag or logbook Yes; Only in conjunction with special accessories • via software configurable Yes • via software configurable Yes • removable terminal for control circuit Yes • firdrey control No • aralog output No • at 0° C rated value 35 A • at 0° C rated value 58 A • at 0° C rated value 58 A					
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• at 40 °C rated value65.8 A• at 50 °C rated value58 A• at 60 °C rated value52.8 Aoperating voltage200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at-15 %	operational current at inside-delta circuit				
• at 60 °C rated value52.8 Aoperating voltage• rated value200 480 V• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative negative tolerance of the operating voltage at10 %relative negative tolerance of the operating voltage at-15 %	-	65.8 A			
operating voltage 200 480 V • rated value 200 480 V • at inside-delta circuit rated value 200 480 V relative negative tolerance of the operating voltage -15 % relative negative tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 %	• at 50 °C rated value	58 A			
 rated value at inside-delta circuit rated value 200 480 V 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 % 	• at 60 °C rated value	52.8 A			
 rated value at inside-delta circuit rated value 200 480 V 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 % 	operating voltage				
• at inside-delta circuit rated value200 480 Vrelative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage at10 %relative negative tolerance of the operating voltage at-15 %		200 480 V			
relative negative tolerance of the operating voltage-15 %relative positive tolerance of the operating voltage10 %relative negative tolerance of the operating voltage at-15 %	 at inside-delta circuit rated value 				
relative positive tolerance of the operating voltage 10 % relative negative tolerance of the operating voltage at -15 %					
relative negative tolerance of the operating voltage at -15 %		10 %			
		-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 	11 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	18.5 kW
 at 400 V at 40 °C rated value 	18.5 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	30 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	
 at rotary coding switch on switch position 1 	15.5 A
 at rotary coding switch on switch position 2 	17 A
 at rotary coding switch on switch position 3 	18.5 A
 at rotary coding switch on switch position 4 	20 A
 at rotary coding switch on switch position 5 	21.5 A
 at rotary coding switch on switch position 6 	23 A
 at rotary coding switch on switch position 7 	24.5 A
 at rotary coding switch on switch position 8 	26 A
 at rotary coding switch on switch position 9 	27.5 A
 at rotary coding switch on switch position 10 	29 A
 at rotary coding switch on switch position 11 	30.5 A
 at rotary coding switch on switch position 12 	32 A
 at rotary coding switch on switch position 13 	33.5 A
 at rotary coding switch on switch position 14 	35 A
 at rotary coding switch on switch position 15 	36.5 A
 at rotary coding switch on switch position 16 	38 A
minimum	15.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	26.8 A
 for inside-delta circuit at rotary coding switch on switch position 2 	29.4 A
 for inside-delta circuit at rotary coding switch on switch position 3 	32 A
 for inside-delta circuit at rotary coding switch on switch position 4 	34.6 A
 for inside-delta circuit at rotary coding switch on switch position 5 	37.2 A
• for inside-delta circuit at rotary coding switch on switch position 6	39.8 A
 for inside-delta circuit at rotary coding switch on switch position 7 for inside delta circuit at rotary coding switch on 	42.4 A
 for inside-delta circuit at rotary coding switch on switch position 8 for inside delta circuit at rotary coding switch on 	45 A
 for inside-delta circuit at rotary coding switch on switch position 9 for inside-delta circuit at rotary coding switch on 	47.6 A 50.2 A
 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on 	52.8 A
 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on 	55.4 A
 switch position 12 for inside-delta circuit at rotary coding switch on 	58 A
 switch position 13 for inside-delta circuit at rotary coding switch on 	60.6 A
 switch position 14 for inside-delta circuit at rotary coding switch on 	63.2 A
switch position 15 • for inside-delta circuit at rotary coding switch on	65.8 A
switch position 16	

minimum load [%] 15 power loss [W] for rated value of the current at AC	5.8 A 5 %; Relative to smallest settable le			
power loss [W] for rated value of the current at AC	J /0, INCIALIVE LU SITIALIEST SELLADIE IE			
a at 40 °C after startup	2 14/			
	23 W			
	22 W 21 W			
	I VV			
power loss [W] at AC at current limitation 350 %				
3 1 1 1	628 W			
	26 W 54 W			
	04 VV			
Control circuit/ Control				
type of voltage of the control supply voltage AC				
control supply voltage at AC	10 050.1/			
	10 250 V			
	10 250 V			
voltage at AC at 50 Hz	5 %			
voltage at AC at 50 Hz) %			
relative negative tolerance of the control supply -1 voltage at AC at 60 Hz	5 %			
relative positive tolerance of the control supply 10 voltage at AC at 60 Hz) %			
control supply voltage frequency 50	0 60 Hz			
relative negative tolerance of the control supply -10 voltage frequency	0 %			
relative positive tolerance of the control supply 10 voltage frequency) %			
control supply current in standby mode rated value 30) mA			
holding current in bypass operation rated value 75	5 mA			
locked-rotor current at close of bypass contact 0.	17 A			
maximum				
maximum	2.2 A			
supply voltage	2 ms			
	aristor			
cir	A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature rcuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is of 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 i	normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs 0				
switching capacity current of the relay outputs				
• at AC-15 at 250 V rated value 3 A	A			
• at DC-13 at 24 V rated value 1	Α			
Installation/ mounting/ dimensions				
	ith vertical mounting surface +/-90° rotatable, with vertical mounting urface +/- 22.5° tiltable to the front and back			
fastening method sc	crew fixing			
height 27	75 mm			
width 17	70 mm			
depth 15	52 mm			
required spacing with side-by-side mounting				
• forwards 10) mm			
• backwards 0 r	mm			

 downwards 	75		
administration at the side	75 mm		
• at the side weight without packaging	5 mm 2.3 kg		
Connections/ Terminals	2.5 kg		
type of electrical connection			
for main current circuit	screw-type terminals		
for control circuit	screw-type terminals		
wire length for thermistor connection	Solew-type terminals		
• 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 main contacts			
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)		
 finely stranded with core end processing 	2x (1.0 2.5 mm ²), 2x (2.5 6.0 mm ²)		
at AWG cables for main current circuit solid	2x (16 12), 2x (14 8)		
type of connectable conductor cross-sections			
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)		
 for control circuit finely stranded with core end 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)		
processing			
at AWG cables for control circuit solid	1x (20 12), 2x (20 14)		
wire length			
 between soft starter and motor maximum 	800 m		
at the digital inputs at AC maximum	100 m		
tightening torque			
 for main contacts with screw-type terminals 	2 2.5 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 	18 22 lbf·in		
 for auxiliary and control contacts with screw-type 	7 10.3 lbf in		
terminals			
Ambient conditions			
Ambient conditions installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
installation altitude at height above sea level maximum	-25 +60 °C; Please observe derating at temperatures of 40 °C or		
installation altitude at height above sea level maximum ambient temperature ● during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	-25 +60 °C; Please observe derating at temperatures of 40 °C or		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category	-25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 		
 installation altitude at height above sea level maximum ambient temperature during operation during storage and transport environmental category during operation acc. to IEC 60721 	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes 		
installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport environmental category • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted interference Communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according	 -25 +60 °C; Please observe derating at temperatures of 40 °C or above -40 +80 °C 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 		

	circuit according to UL					
	 High Faults at 460/480 V at insid according to UL 	le-	Siemens type: 3VA51, max. 60 A; lq max = 65 kA			
 — usable for according to 	Standard Faults at 575/600 V UL		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA			
	— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL		Siemens type: 3RV2742, ma	ax. 70 A or 3VA51, m	ax. 125 A; lq = 5 kA	
 of the fuse 						
 — usable for according to 	Standard Faults up to 575/600 V	1	Type: Class RK5 / K5, max. 150 A; lq = 5 kA			
 — usable for according to 	High Faults up to 575/600 V UL		Type: Class J / L, max. 150 A; Iq = 100 kA			
	Standard Faults at inside-delta 575/600 V according to UL		Type: Class RK5 / K5, max.	150 A; lq = 5 kA		
	High Faults at inside-delta circuit according to UL	t up	Type: Class J / L, max. 150	A; lq = 100 kA		
operating power [hp	o] for 3-phase motors					
	t 50 °C rated value		10 hp			
	t 50 °C rated value		10 hp			
	t 50 °C rated value		20 hp			
value	t inside-delta circuit at 50 °C rated		15 hp			
value	t inside-delta circuit at 50 °C rated	-	20 hp			
value	t inside-delta circuit at 50 °C rateo		40 hp			
contact rating of au	xiliary contacts according to U	L	R300-B300			
Safety related data						
protection class IP	on the front acc. to IEC 60529		IP20			
touch protection on the front acc. to IEC 60529 finger-safe, for vertical con			ict from the front			
electromagnetic co	electromagnetic compatibility in accordance with IEC 60947-4-2					
Certificates/ approva	ls					
					Declaration of	
General Product A	pproval			EMC	Declaration of Conformity	
					contenting	
SP SA		بل	EHC	RCM	CE EG-Konf.	
Test Certificates	Marine / Shipping					
<u>Type Test Certific-</u> ates/Test Report	ABS BU		Lloyd's Kegister urs	PRS	DIVIGL	
other						
<u>Confirmation</u>						

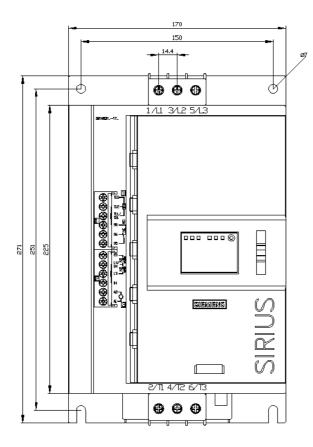
Further information

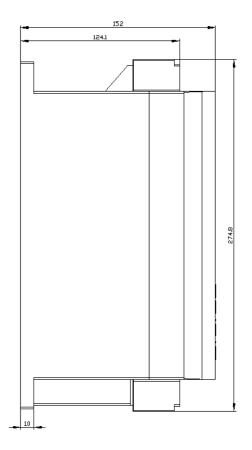
Information- and Downloadcenter (Catalogs, Brochures,...)

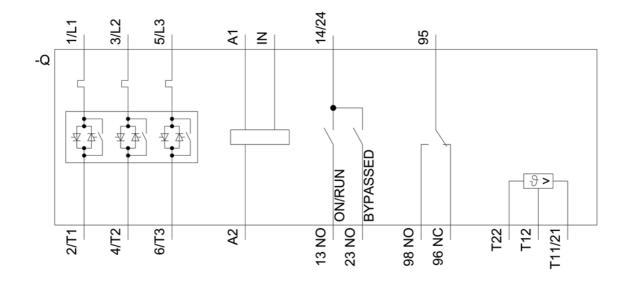
https://www.siemens.com/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5217-1TC14 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-1TC14 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-1TC14 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5217-1TC14&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-1TC14/char Characteristic: Installation altitude http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-1TC14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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8/10/2021 🖸