SIEMENS

Data sheet

3RW5214-1TC14



SIRIUS soft starter 200-480 V 18 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 	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4DA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4EA10: Type of coordination 1. Iq = 65 kA. CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
 of the gG fuse usable up to 690 V 	<u>3NA3820-6; Type of coordination 1, Iq = 65 kA</u>
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3820-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1802-0; Type of coordination 2, Iq = 65 kA</u>
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE8020-1; Type of coordination 2, Iq = 65 kA</u>
General technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
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	
HMI-High Feature	No
 is supported HMI-Standard 	Yes
 is supported HMI-High Feature 	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3

trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2		
buffering time in the event of power failure			
for main current circuit	100 ms		
for control circuit	100 ms		
insulation voltage rated value	600 V		
degree of pollution	3, acc. to IEC 60947-4-2		
impulse voltage rated value	6 kV		
blocking voltage of the thyristor maximum	1 600 V		
service factor	1		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation			
 between main and auxiliary circuit 	600 V		
shock 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		
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		
Soft Torque	Yes		
 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		
• inside-delta circuit	Yes		
auto-RESET	Yes		
manual 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		
• 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		
(internetionally)	module		
 firmware update 	Yes		
 removable terminal for control circuit 	Yes		
torque control	No		
analog output	No		
Power Electronics			
operational current			
at 40 °C rated value	18 A		
• at 50 °C rated value	16 A		
at 50 °C rated value	14 A		
operational current at inside-delta circuit			
at 40 °C rated value	31.5 A		
at 50 °C rated value	28 A		
at 50 °C rated value at 60 °C rated value	23.9 A		
operating voltage	20.0 M		
rated value	200 480 V		
 rated value at inside-delta circuit rated value 	200 480 V 200 480 V		
	-15 %		
relative negative tolerance of the operating voltage			
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	10 %		
inside-delta circuit			
operating power for 3-phase motors			
i i vri i i refilier iliter			

a at 220 V at 40 °C rated value	
• at 230 V at 40 °C rated value	4 kW
• at 230 V at inside-delta circuit at 40 °C rated value	7.5 kW
• at 400 V at 40 °C rated value	7.5 kW
at 400 V at inside-delta circuit at 40 °C rated value	15 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	7.5.4
at rotary coding switch on switch position 1	7.5 A
at rotary coding switch on switch position 2	8.2 A
at rotary coding switch on switch position 3	8.9 A
at rotary coding switch on switch position 4	9.6 A
at rotary coding switch on switch position 5	10.3 A
• at rotary coding switch on switch position 6	11 A
at rotary coding switch on switch position 7	11.7 A
 at rotary coding switch on switch position 8 	12.4 A
at rotary coding switch on switch position 9	13.1 A
at rotary coding switch on switch position 10	13.8 A
at rotary coding switch on switch position 11	14.5 A
at rotary coding switch on switch position 12	15.2 A
at rotary coding switch on switch position 13	15.9 A
at rotary coding switch on switch position 14	16.6 A
at rotary coding switch on switch position 15	17.3 A
• at rotary coding switch on switch position 16	18 A
• minimum	7.5 A
adjustable motor current	40.4
 for inside-delta circuit at rotary coding switch on switch position 1 	13 A
 for inside-delta circuit at rotary coding switch on switch position 2 	14.2 A
for inside-delta circuit at rotary coding switch on switch position 3	15.4 A
• for inside-delta circuit at rotary coding switch on switch position 4	16.6 A
• for inside-delta circuit at rotary coding switch on switch position 5	17.8 A
• for inside-delta circuit at rotary coding switch on switch position 6	19.1 A
 for inside-delta circuit at rotary coding switch on switch position 7 	20.3 A
 for inside-delta circuit at rotary coding switch on switch position 8 	21.5 A
 for inside-delta circuit at rotary coding switch on switch position 9 	22.7 A
• for inside-delta circuit at rotary coding switch on switch position 10	23.9 A
 for inside-delta circuit at rotary coding switch on switch position 11 	25.1 A
 for inside-delta circuit at rotary coding switch on switch position 12 	26.3 A
 for inside-delta circuit at rotary coding switch on switch position 13 	27.5 A
 for inside-delta circuit at rotary coding switch on switch position 14 	28.8 A
• for inside-delta circuit at rotary coding switch on switch position 15	30 A
 for inside-delta circuit at rotary coding switch on switch position 16 	31.2 A
at inside-delta circuit minimum	13 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	17 W
 at 50 °C after startup 	17 W

	10.11		
at 60 °C after startup	16 W		
power loss [W] at AC at current limitation 350 %			
 at 40 °C during startup 	276 W		
 at 50 °C during startup 	241 W		
• at 60 °C during startup	200 W		
Control circuit/ Control			
type of voltage of the control supply voltage	AC		
control supply voltage at AC			
• 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	75 mA		
locked-rotor current at close of bypass contact maximum	0.17 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		
	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		
design of short-circuit protection for control circuit			
design of short-circuit protection for control circuit	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is		
Inputs/ Outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is		
	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 number of digital outputs	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 number of digital outputs o not parameterizable	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 number of digital outputs o not parameterizable digital output version	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 number of digital outputs o not parameterizable digital output version number of analog outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs o at AC-15 at 250 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs o at AC-15 at 250 V rated value o at DC-13 at 24 V rated value	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs output	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs outputs outputs at AC-15 at 250 V rated value outputs at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	<pre>circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface</pre>		
Inputs/ Outputs number of digital inputs 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	<pre>circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on</pre>		
Inputs/ Outputs number of digital inputs number of digital outputs onot parameterizable digital output version number of analog outputs switching capacity current of the relay outputs outputs outputs at AC-15 at 250 V rated value outputs at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm		
Inputs/ Outputs number of digital inputs 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	 circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 		
Inputs/ Outputs number of digital inputs 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	 circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm		
Inputs/ Outputs number of digital inputs 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	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm		
Inputs/ Outputs number of digital inputs 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 • at the side weight without packaging	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm		
Inputs/ Outputs number of digital inputs 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 Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm		
Inputs/ Outputs number of digital inputs 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 Connections/ Terminals type of electrical connection	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 5 mm 2.1 kg		
Inputs/ Outputs number of digital inputs 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 Connections/ Terminals	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply 1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 0 3 A 1 A +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm		

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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 mm ² 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 mm²), 2x (2.5 6.0 mm²)
 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 mm ²), 2x (0.5 1.5 mm ²)
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	
	2 2.5 N·m
 for main contacts with screw-type terminals 	
 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 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 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
• 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: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
— usable for High Faults at 460/480 V according to UL	Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
— usable for High Faults at 460/480 V at inside- delta circuit according to UL	Siemens type: 3VA51, max. 35 A; lq max = 65 kA
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
	Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA
• of the fuse	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 70 A; lq = 5 kA
according to UL	

 — usable for High Faults up to 575/60 according to UL 	V 00	Type: Class J / L, max. 70	A; lq = 100 kA	
		Type: Class RK5 / K5, max. 70 A; $Iq = 5 kA$		
 usable for High Faults at inside-del to 575/600 V according to UL 		Type: Class J / L, max. 70	A; lq = 100 kA	
operating power [hp] for 3-phase motors				
• at 200/208 V at 50 °C rated value		2 hn		
		3 hp		
• at 220/230 V at 50 °C rated value		5 hp		
• at 460/480 V at 50 °C rated value		10 hp		
• at 200/208 V at inside-delta circuit at 50 °C rated value		7.5 hp		
• at 220/230 V at inside-delta circuit at 50 °C rated value		7.5 hp		
• at 460/480 V at inside-delta circuit at 50 °C rated value		20 hp		
contact rating of auxiliary contacts accord	ing to UL	R300-B300		
Safety related data				
protection class IP on the front according t	to IEC	IP20		
60529				
touch protection on the front according to	IEC 60529	finger-safe, for vertical cor		
electromagnetic compatibility		in accordance with IEC 60	947-4-2	
Certificates/ approvals				
General Product Approval				EMC
<u>Confirmation</u>	(m)	ŝ	r N r	A
QP.	(\mathbf{u})	(VL)	FHI	<u>/\varsistantials</u>
CSA	ccc		LIIL	RCM
Declaration of Conformity	Test Certifica	tes Marine / Shipping		
	Type Test Cer	tific-		Jourts
Declaration of Conformity		tific-		Llovds Register
	Type Test Cer	tific-		Llovds Register
	Type Test Cer	tific-	BUREAU VERITAS	Llovds Register urs
	Type Test Cer	tific-	BUREAU VERITAS	Lloyds Register LRS
UK CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re	tific-	BUREAU VERITAS	Llovds Register us
	Type Test Cer	tific-	BUREAU VERITAS	Llovds Register uis
UK CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re other	tific- oort	BUREAU VERITAS	Llovds Register uis
UK CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re	tific- oort	BUREAU VERITAS	Llovds Register urs
UK CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re other	tific- oort	B U RE AU VERITAS	Hoyds Register urs
UK CE Barine / Shipping	<u>Type Test Cer</u> ates/Test Re other	tific- oort	B U R E A U V E R I TA S	Lins
UK CE Barine / Shipping	<u>Type Test Cer</u> ates/Test Re other	tific- oort	BUREAU VERITAS	Llovds Register us
UK CE Barine / Shipping	<u>Type Test Cer</u> ates/Test Re other	tific- oort	BUREAU VERITAS	Llovds Register uis
UK CE Barine / Shipping	Type Test Cer ates/Test Re other	tific- oort	EUREAU VERITAS	Llovels Register us
UK CE Barine / Shipping	Type Test Cer ates/Test Re other	tific- oort	E U R E AU VERITAS	Lis
UK EG Marine / Shipping Image: Shipping marked states and stat	Type Test Cer ates/Test Rep other	tific- port ABS	D U R E A U V E R I TA S	Urs
UK EG Marine / Shipping Image: State of the sta	Type Test Cer ates/Test Rep other	tific- port ABS	B U R E A U V E R I TAS	Lis
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