SIEMENS

Data sheet

3RW5248-6TC14



SIRIUS soft starter 200-480 V 570 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 	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 	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 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>3NE3340-8; Type of coordination 2, Iq = 65 kA</u>

General technical dat

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 protective separation				
 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 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	570 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	200 480 V			
 at inside-delta circuit rated value 	200 480 V			
relative negative tolerance of the operating voltage	-15 %			
relative positive tolerance of the operating voltage	10 %			
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %			
relative positive tolerance of the operating voltage at inside-delta circuit	10 %			
operating power for 3-phase motors				
	160 MM			
 at 230 V at 40 °C rated value at 230 V at inside dolta circuit 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			
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 	240 A
 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 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 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
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	416 A
 for inside-delta circuit at rotary coding switch on switch position 2 	454 A
 for inside-delta circuit at rotary coding switch on switch position 3 	492 A
 for inside-delta circuit at rotary coding switch on switch position 4 	530 A
 for inside-delta circuit at rotary coding switch on switch position 5 	568 A
 for inside-delta circuit at rotary coding switch on switch position 6 	606 A
• for inside-delta circuit at rotary coding switch on switch position 7	644 A
• for inside-delta circuit at rotary coding switch on switch position 8	682 A
for inside-delta circuit at rotary coding switch on switch position 9	721 A
 for inside-delta circuit at rotary coding switch on switch position 10 for inside-delta circuit at rotary coding switch on switch 	759 A 797 A
 for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	835 A
 for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	873 A
 for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	911 A
 for inside-delta circuit at rotary coding switch on switch for inside-delta circuit at rotary coding switch on switch 	949 A
 position 15 for inside-delta circuit at rotary coding switch on switch 	987 A
position 16 • at inside-delta circuit minimum	416 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	183 W
● at 50 °C after startup	163 W
• at 60 °C after startup	153 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	10 241 W
• at 50 °C during startup	8 500 W
• at 60 °C during startup	7 663 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
Geo of voltage of the control supply voltage	

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	100 mA			
inrush current by closing the bypass contacts 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 digital outputs	3			
not parameterizable	2			
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs				
switching capacity current of the relay outputs				
Switching capacity current of the relay outputs				
	3 A			
• at AC-15 at 250 V rated value	3 A 1 A			
at AC-15 at 250 V rated valueat DC-13 at 24 V rated value	3 A 1 A			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A			
at AC-15 at 250 V rated valueat DC-13 at 24 V rated value				
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing			
at AC-15 at 250 V rated value at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method height	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm			
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 o forwards	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm			
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	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm			
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 backwards upwards	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm			
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 backwards upwards odownwards	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm			
 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 at the side 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm			
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 at the side weight without packaging	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm			
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 ofrwards backwards upwards downwards at the side weight without packaging Connections/ Terminals	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm			
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 backwards upwards odwnwards at the side weight without packaging Connections/ Terminals type of electrical connection	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg			
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 ofrwards backwards backwards upwards odwnwards at the side weight without packaging Connections/ Terminals type of electrical connection ofor main current circuit	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit for control circuit width of connection bar maximum 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit width of connection bar maximum wire length for thermistor connection 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit for connection bar maximum with conductor cross-section = 0.5 mm² maximum 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit width of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m 150 m			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 10 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m 150 m			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit width of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m 150 m 250 m			
 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 at the side weight without packaging Connections/ Terminals type of electrical connection for control circuit width of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm²)			
 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 for control circuit width of connection bar maximum with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections for DIN cable lug for main contacts stranded for DIN cable lug for main contacts finely stranded 	1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.6 kg busbar connection screw-type terminals 45 mm 50 m 150 m 250 m 2x (50 240 mm²)			

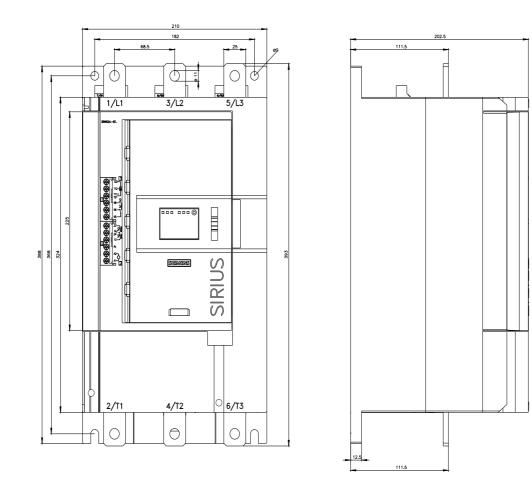
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility	IP00; IP20 with cover finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2 EMC			
afety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility certificates/ approvals	finger-safe, for vertical contact from the front with cover in accordance with IEC 60947-4-2			
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 electromagnetic compatibility	finger-safe, for vertical contact from the front with cover			
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover			
protection class IP on the front according to IEC 60529				
contact rating of auxiliary contacts according to UL	R300-B300			
• at 460/480 V at inside-delta circuit at 50 °C rated value	750 hp			
• at 220/230 V at inside-delta circuit at 50 °C rated value	350 hp			
• at 200/208 V at inside-delta circuit at 50 °C rated value	300 hp			
• at 460/480 V at 50 °C rated value	400 hp			
 at 220/230 V at 50 °C rated value 	200 hp			
• at 200/208 V at 50 °C rated value	150 hp			
operating power [hp] for 3-phase motors				
575/600 V according to UL				
to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to	Type: Class J / L, max. 1200 A; Iq = 100 kA			
UL — usable for Standard Faults at inside-delta circuit up	Type: Class J / L, max. 1600 A; Iq = 30 kA			
according to UL — usable for High Faults up to 575/600 V according to	Type: Class J / L, max. 1200 A; Ig = 100 kA			
 of the fuse — usable for Standard Faults up to 575/600 V 	Type: Class J / L, max. 1600 A; Iq = 30 kA			
manufacturer's article number				
JL/CSA ratings				
PROFIBUS	Yes			
Modbus TCP	Yes			
Modbus RTU	Yes			
EtherNet/IP	Yes			
PROFINET standard	Yes			
communication module is supported				
communication/ Protocol				
EMC emitted interference	acc. to IEC 60947-4-2: Class A			
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not ge inside the devices), 1M4			
	(sand must not get into the devices), 3M6			
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2			
environmental category				
during storage and transport	-40 +80 °C			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above			
ambient temperature				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog			
terminals Ambient conditions				
 for auxiliary and control contacts with screw-type 	7 10.3 lbf-in			
 for main contacts with screw-type terminals 	124 210 lbf·in			
terminals tightening torque [lbf·in]	-			
 for main contacts with screw-type terminals for auxiliary and control contacts with screw-type 	14 24 N·m 0.8 1.2 N·m			
tightening torque	44 04 N -			
at the digital inputs at AC maximum	100 m			
between soft starter and motor maximum	800 m			
wire length				
	1x (20 12), 2x (20 14)			
 for AWG cables for control circuit solid 				
 for control circuit finely stranded with core end processing for AWG cables for control circuit solid 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)			

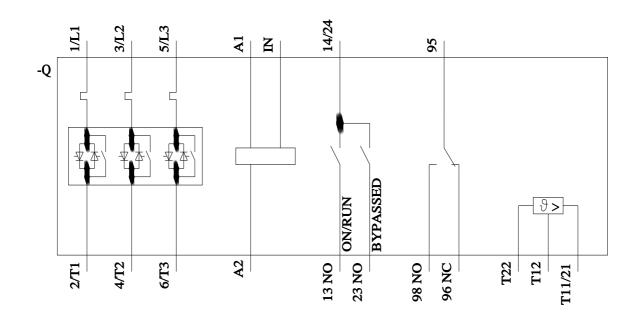
7/10/2023

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Declaration of Confo	ormity	Test Certificates	Marine / Shipping		
UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	ABS	B UREAU VERITAS	Lloyds Register urs
Marine / Shipping	other				
PRS	<u>Confirmation</u>				
	to exit the Russian maccom/global/en/pressrelea	arket (see here). ase/siemens-wind-down-rus	sian-business		
Please contact your lo	cal Siemens office on the	urrent EAC certificates. e status of validity of the EA d EAEU member states Rus		d to import or offer to supp	ly these products to an
Information on the pa					
https://www.siemens.c		s, Brochures,…)			
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	on.siemens.com/WW/C/	AXorder/default.aspx?lang=	en&mlfb=3RW5248-6TC	<u>14</u>	
	anuals, Certificates, Ch /.siemens.com/cs/ww/en				
		sion drawings, 3D models de.aspx?mlfb=3RW5248-		is, EPLAN macros,)	
	ing characteristics, I ² t,	Let-through current /ps/3RW5248-6TC14/char			
Characteristic: Instal	lation altitude	ex.aspx?view=Search&mlfb	o=3RW5248-6TC14&obie	cttype=14&gridview=view1	
Simulation Tool for S		ł			

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