SIEMENS

Data sheet

3RW5235-2AC14



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC spring-type terminals Analog output

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 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
 of the gG fuse usable up to 690 V 	3NA3244-6; Type of coordination 1, Iq = 65 kA			
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3244-6; Type of coordination 1, Iq = 65 kA</u>			
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1227-0: Type of coordination 2. Iq = 65 kA</u>			
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3334-0B; 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	1 400 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 02/15/2018				
Substance Prohibitance (Date)	02/15/2016				
product function	Mar				
• 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; Electronic motor overload protection				
evaluation of thermistor motor protection	No				
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 	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)				
Power Electronics					
operational current					
• at 40 °C rated value	143 A				
• at 50 °C rated value	128 A				
• at 60 °C rated value	118 A				
operational current at inside-delta circuit					
• at 40 °C rated value	248 A				
• at 50 °C rated value	222 A				
• at 60 °C rated value	204 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					
• at 230 V at 40 °C rated value	37 kW				
 at 230 V at inside-delta circuit at 40 °C rated value 	75 kW				
• at 400 V at 40 °C rated value	75 kW				

 at 400 V at inside-delta circuit at 40 °C rated value 	132 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 	68 A				
 at rotary coding switch on switch position 2 	73 A				
 at rotary coding switch on switch position 3 	78 A				
 at rotary coding switch on switch position 4 	83 A				
 at rotary coding switch on switch position 5 	88 A				
 at rotary coding switch on switch position 6 	93 A				
 at rotary coding switch on switch position 7 	98 A				
 at rotary coding switch on switch position 8 	103 A				
 at rotary coding switch on switch position 9 	108 A				
 at rotary coding switch on switch position 10 	113 A				
 at rotary coding switch on switch position 11 	118 A				
 at rotary coding switch on switch position 12 	123 A				
 at rotary coding switch on switch position 13 	128 A				
 at rotary coding switch on switch position 14 	133 A				
 at rotary coding switch on switch position 15 	138 A				
 at rotary coding switch on switch position 16 	143 A				
• minimum	68 A				
adjustable motor current					
 for inside-delta circuit at rotary coding switch on switch position 1 	118 A				
 for inside-delta circuit at rotary coding switch on switch position 2 	126 A				
 for inside-delta circuit at rotary coding switch on switch position 3 	135 A				
 for inside-delta circuit at rotary coding switch on switch position 4 	144 A				
 for inside-delta circuit at rotary coding switch on switch position 5 	152 A				
 for inside-delta circuit at rotary coding switch on switch position 6 	161 A				
 for inside-delta circuit at rotary coding switch on switch position 7 	170 A				
 for inside-delta circuit at rotary coding switch on switch position 8 	178 A				
for inside-delta circuit at rotary coding switch on switch position 9	187 A				
for inside-delta circuit at rotary coding switch on switch position 10	196 A				
for inside-delta circuit at rotary coding switch on switch position 11	204 A				
 for inside-delta circuit at rotary coding switch on switch position 12 for inside delta circuit at rotary coding switch on 	213 A 222 A				
 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on 	230 A				
 for inside-delta circuit at rotary coding switch on for inside-delta circuit at rotary coding switch on 	239 A				
 switch position 15 for inside-delta circuit at rotary coding switch on 	248 A				
switch position 16 • at inside-delta circuit minimum	118 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	55 W				
• at 50 °C after startup	50 W				
• at 60 °C after startup	47 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	2 127 W				

• at 50 °C during startup	1 807 W				
• at 60 °C during startup	1 605 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	-15 %				
voltage at AC at 50 Hz					
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	2.5 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				
	1 3				
number of digital inputs					
number of digital inputs number of digital outputs	3				
number of digital inputs number of digital outputs • not parameterizable	3 2				
number of digital inputs number of digital outputs • not parameterizable digital output version	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)				
number of digital inputs number of digital outputs • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm				
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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm				
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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	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg				
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 • for main current circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg				
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 • for main current circuit • for control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg busbar connection spring-loaded terminals				
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 • for control circuit width of connection bar maximum	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg				
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 • for main current circuit • for control circuit	3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.6 kg busbar connection spring-loaded terminals				

e for DIN ophic lug for main contacts finally strended	$2x(25 + 120 \text{ mm}^2)$				
for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections	2x (25 120 mm²)				
for control circuit solid	2x (0.25 1.5 mm²)				
 for control circuit solid for control circuit finely stranded with core end 	2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²)				
processing					
 at AWG cables for control circuit solid 	2x (24 16)				
 at AWG cables for control circuit finely stranded with 	2x (24 16)				
core end processing					
wire length	000				
between soft starter and motor maximum	800 m 100 m				
at the digital inputs at AC maximum	100 111				
 tightening torque for main contacts with screw-type terminals 	10 14 N·m				
 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m				
terminals	0.0 1.2 N°III				
tightening torque [lbf·in]					
 for main contacts with screw-type terminals 	89 124 lbf·in				
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in				
terminals					
Ambient conditions	5 000 mi Dereting op of 1000 million option				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog				
ambient temperature	-25 +60 °C: Please observe derating at temperatures of 40 °C or				
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					
communication module is supported • PROFINET standard	Yes				
communication module is supported • PROFINET standard • EtherNet/IP	Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU	Yes Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP	Yes Yes Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	Yes Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings	Yes Yes Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS	Yes Yes Yes				
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes				
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	Yes Yes Yes				
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	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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 to UL — usable for Standard Faults at 460/480 V at	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
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 at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-	Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
 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 to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL 	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
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 Standard Faults at 460/480 V at coording to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at	Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
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 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 to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL 	Yes Yes Yes Yes Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq max = 65 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq max = 65 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J / L, max. 350 A; lq = 100 kA				
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 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 to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at inside-delta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at inside-delta circuit according to UL usable for Standard Faults up to 575/600 V according to UL usable for Standard Faults up to 575/600 V according to UL 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 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 Standard Faults at inside-delta 	Yes Yes Yes Yes Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq max = 65 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq max = 65 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Siemens type: $3VA52$, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J / L, max. 350 A; lq = 100 kA				

 at 200/208 V at 50 °C rated value 						
		40 hp				
 at 220/230 V at 50 °C rated value 	• at 220/230 V at 50 °C rated value		40 hp			
• at 460/480 V at 50 °C rated value		100 hp				
 at 200/208 V at inside-delta circuit at 50 °C rated value 		75 hp	75 hp			
 at 220/230 V at inside-delta circuit at 50 °C rated value 		75 hp				
 at 460/480 V at inside-delta circuit at 50 °C rated value 		150 hp				
contact rating of auxiliary contacts according to UL		R300-B300				
Safety related data						
protection class IP on the front according 60529	to IEC	IP00; IP2	0 with cover			
touch protection on the front according to	the front according to IEC 60529		e, for vertical cont	act from the front with o	cover	
electromagnetic compatibility	nagnetic compatibility		ance with IEC 609	47-4-2		
Certificates/ approvals						
General Product Approval					EMC	
	Confirmation	<u>on</u>	س	COF	Â	
				CUL	్రు	
CSA CCC			UL		RCM	
Declaration of Conformity	Test Certifica	ates M	arine / Shipping			
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	<u>Type Test Ce</u> ates/Test Re	<u>rtific-</u> port	Sales 1	A LAS	Lloyd's	
		<u>por (</u>	A State		Kegister	
EG-Konf.			ABS	BUREAU	LRS	
				VENTIAS		
Marine / Shipping	other					
	Confirmativ					
	<u>Confirmation</u>	<u></u>				
DNV-GL						
PRS Division						
Further information						
Information- and Downloadcenter (Catalo	gs, Brochures,)				
Information- and Downloadcenter (Cataloghttps://www.siemens.com/ic10	gs, Brochures,)				
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Information- and Downloadcenter (Catalog https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en Cax online generator	/Catalog/produc	t?mlfb=3RV		225.24.014		
Information- and Downloadcenter (Catalog https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en Cax online generator http://support.automation.siemens.com/WW/	/Catalog/produc	t?mlfb=3RV		2 <u>35-2AC14</u>		
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Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-2AC14/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-2AC14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917

last modified:

4/10/2022 🖸