SIEMENS

Data sheet

3RW5227-3AC14



SIRIUS soft starter 200-480 V 93 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 	3VA2216-7MN32-0AA0: Type of coordination 1, Iq = 15 kA, CLASS 10		
 of circuit breaker usable at 500 V 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10		
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2220-7MN32-0AA0: Type of coordination 1, Iq = 15 kA, CLASS 10		
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 10 kA, CLASS 10		
 of the gG fuse usable up to 690 V 	<u>3NA3136-6; Type of coordination 1, Iq = 65 kA</u>		
 of the gG fuse usable at inside-delta circuit up to 500 V 	<u>3NA3136-6: Type of coordination 1, Iq = 65 kA</u>		
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1224-0: Type of coordination 2. Iq = 65 kA</u>		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE4124; Type of coordination 2, Iq = 65 kA</u>		
Seneral 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		
	Yes		
 is supported HMI-Standard 			
 is supported HMI-Standard is supported HMI-High Feature 	Yes		
	Yes Yes		

trin class	CLASS 10A (default) / 10E / 20E: and to IEC 60047 4 2				
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				
	_ 100 ms 				
insulation voltage rated value degree of pollution					
impulse voltage rated value	3, acc. to IEC 60947-4-2				
	6 kV				
blocking voltage of the thyristor maximum service factor	1 400 V				
	- 1 - 6 kV				
surge voltage resistance rated value maximum permissible voltage for safe isolation					
between main and auxiliary circuit	600 V				
shock resistance	600 V				
vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting				
	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)	02/15/2018				
product function	Voc				
ramp-up (soft starting) ramp down (soft stop)	Yes				
ramp-down (soft stop)					
Soft Torque	Yes				
adjustable current limitation	Yes				
pump ramp down intrincia dovice protection	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	93 A				
• at 50 °C rated value	83 A				
• at 60 °C rated value	76 A				
operational current at inside-delta circuit					
• at 40 °C rated value	161 A				
• at 50 °C rated value	143 A				
• at 60 °C rated value	131 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	-15 %				
inside-delta circuit	10.0/				
relative positive tolerance of the operating voltage at inside-delta circuit	10 %				
operating power for 3-phase motors					
sperating porter for e-pliase motors					

	00.134
• at 230 V at 40 °C rated value	22 kW
• at 230 V at inside-delta circuit at 40 °C rated value	45 kW
• at 400 V at 40 °C rated value	45 kW
• at 400 V at inside-delta circuit at 40 °C rated value	90 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	40 F A
 at rotary coding switch on switch position 1 at rotary coding switch on switch position 2 	40.5 A 44 A
 at rotary coding switch on switch position 2 at rotary coding switch on switch position 3 	47.5 A
	51 A
 at rotary coding switch on switch position 4 at rotary coding switch on switch position 5 	54.5 A
 at rotary coding switch on switch position 6 	58 A
 at rotary coding switch on switch position 7 	61.5 A
 at rotary coding switch on switch position 8 	65 A
 at rotary coding switch on switch position 9 at rotary coding switch on switch position 9 	68.5 A
 at rotary coding switch on switch position 10 	72 A
 at rotary coding switch on switch position 11 	75.5 A
 at rotary coding switch on switch position 12 	79 A
 at rotary coding switch on switch position 12 at rotary coding switch on switch position 13 	82.5 A
 at rotary coding switch on switch position 14 	86 A
 at rotary coding switch on switch position 15 	89.5 A
 at rotary coding switch on switch position 16 	93 A
• minimum	40.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	70.1 A
 for inside-delta circuit at rotary coding switch on switch position 2 	76.2 A
 for inside-delta circuit at rotary coding switch on switch position 3 	82.3 A
 for inside-delta circuit at rotary coding switch on switch position 4 	88.3 A
 for inside-delta circuit at rotary coding switch on switch position 5 	94.4 A
 for inside-delta circuit at rotary coding switch on switch position 6 	100 A
 for inside-delta circuit at rotary coding switch on switch position 7 	107 A
 for inside-delta circuit at rotary coding switch on switch position 8 	113 A
 for inside-delta circuit at rotary coding switch on switch position 9 	119 A
 for inside-delta circuit at rotary coding switch on switch position 10 	125 A
 for inside-delta circuit at rotary coding switch on switch position 11 	131 A
 for inside-delta circuit at rotary coding switch on switch position 12 	137 A
 for inside-delta circuit at rotary coding switch on switch position 13 	143 A
 for inside-delta circuit at rotary coding switch on switch position 14 	149 A
• for inside-delta circuit at rotary coding switch on switch position 15	155 A
• for inside-delta circuit at rotary coding switch on switch position 16	161 A
at inside-delta circuit minimum	70.1 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	40 M/
• at 40 °C after startup	40 W
 at 50 °C after startup 	37 W

• at 60 °C after startup	35 W				
power loss [W] at AC at current limitation 350 %					
• at 40 °C during startup	1 270 W				
• at 50 °C during startup	1 077 W				
• at 60 °C during startup	959 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	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				
design of short-circuit protection for control circuit	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				
Inputs/ 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	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 onot 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				
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				
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) 1 3 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				
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) 1 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) 1 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 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) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting				
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) 1 3 A 1 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
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	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) 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				
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) 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				
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) 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				
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) 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				
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) 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				
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) 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				
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) 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				
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	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) 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				
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) 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				
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) 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				
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) 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 5 mm 6.9 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) 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				

width of connection bar maximum	25 mm				
type of connectable conductor cross-sections					
 for main contacts for box terminal using the front clamping point solid 	1x (2.5 16 mm²)				
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	1x (2.5 50 mm²)				
 for main contacts for box terminal using the front clamping point stranded 	1x (10 70 mm²)				
• at AWG cables for main contacts for box terminal using the front clamping point	1x (10 2/0)				
 for main contacts for box terminal using the back clamping point solid 	1x (2.5 16 mm²)				
 at AWG cables for main contacts for box terminal using the back clamping point 	1x (10 2/0)				
 for main contacts for box terminal using both clamping points solid 	2x (2.5 16 mm²)				
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)				
 for main contacts for box terminal using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)				
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)				
 for main contacts for box terminal using the back clamping point stranded 	1x (10 70 mm²)				
type of connectable conductor cross-sections					
 for control circuit solid 	2x (0.25 1.5 mm²)				
 for control circuit finely stranded with core end processing 	2x (0.25 1.5 mm²)				
 at AWG cables for control circuit solid 	2x (24 16)				
 at AWG cables for control circuit finely stranded with core end processing 	2x (24 16)				
wire length					
 between soft starter and motor maximum at the digital inputs at AC maximum 	800 m 100 m				
tightening torque					
 for main contacts with screw-type terminals 	4.5 6 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 	40 53 lbf·in				
 for auxiliary and control contacts with screw-type 	7 10.3 lbf·in				
terminals					
Ambient conditions					
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog				
ambient temperatureduring 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 Modbus TCP	Yes				
Modbus TCP PROFIBUS	Yes				
	Yes				

UL/CSA ratings						
manufacturer's article number						
 of circuit breaker usable for Standard Faults at 460/480 V according to UL 			Siemens type: 3VA51, max. 125 A; Iq = 10 kA			
— usable for High Faults at 460/480 V according to UL		Sieme	Siemens type: 3VA51, max. 125 A; Iq max = 65 kA			
— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL			Siemens type: 3VA51, max. 125 A; Iq = 10 kA			
— usable for High Faults at 460/480 V at inside- delta circuit according to UL			Siemens type: 3VA51, max. 125 A; Iq max = 65 kA			
— usable for Standard Faults at 575/600 V according to UL			Siemens type: 3VA51, max. 125 A; Iq = 10 kA			
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL		Sieme	Siemens type: 3VA51, max. 125 A; lq = 10 kA			
of the fuse						
 — usable for Standard Faults up t according to UL 	o 575/600 V	Туре:	Class RK5 / K5, m	ax. 300 A; lq = 10 kA		
 — usable for High Faults up to 57 according to UL 	5/600 V	Туре:	Class J / L, max. 2	50 A; lq = 100 kA		
 — usable for Standard Faults at in circuit up to 575/600 V according 		Туре:	Class RK5 / K5, m	ax. 300 A; lq = 10 kA		
— usable for High Faults at inside-delta circuit up to 575/600 V according to UL		Туре:	Type: Class J / L, max. 250 A; Iq = 100 kA			
operating power [hp] for 3-phase motor	S					
• at 200/208 V at 50 °C rated value		25 hp				
• at 220/230 V at 50 °C rated value		30 hp				
• at 460/480 V at 50 °C rated value		60 hp				
 at 200/208 V at inside-delta circuit a value 	t 50 °C rated		40 hp			
 at 220/230 V at inside-delta circuit at 50 °C rated value 		50 hp	50 hp			
 at 460/480 V at inside-delta circuit at 50 °C rated value 		-	100 hp			
contact rating of auxiliary contacts according to UL Safety related data		R300-	R300-B300			
protection class IP on the front according to IEC 60529		IP00;	IP00; IP20 with cover			
touch protection on the front according	to IEC 60529	finger-safe, for vertical contact from the front with cover				
electromagnetic compatibility		in accordance with IEC 60947-4-2				
Certificates/ approvals						
General Product Approval					EMC	
Confirmation)	(h) L	EHC	RCM	
Declaration of Conformity	Test Certifica	ates	Marine / Shipping	g		
	Type Test Ce				Houds	
	<u>ates/Test Re</u>	<u>-port</u>	ABS	BUREAU VERITAS	Register	
Marine / Shipping	other					
	<u>Confirmation</u>	<u>on</u>				

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