SIEMENS

Data sheet

3RW5245-2AC14



SIRIUS soft starter 200-480 V 315 A, 110-250 V AC spring-type terminals Analog output

and the formed as a set			
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 	3VA2440-7MN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10		
 of circuit breaker usable at 500 V 	3VA2440-7MN32-0AA0; Type of coordination 1, lq = 65 kA, CLASS 10		
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2580-6HN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10		
 of circuit breaker usable at 500 V at inside-delta circuit 	3VA2580-6HN32-0AA0; 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>3NE1334-2; Type of coordination 2. Iq = 65 kA</u>		
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3336; Type of coordination 2, Iq = 65 kA</u>		
eneral technical data			
starting voltage [%]	30 100 %		
stopping voltage [%]	50 50 %		
start-up ramp time of soft starter	0 20 s		
current limiting value [%] adjustable	130 700 %		
certificate of suitability			
CE marking	Yes		
UL approval	Yes		
CSA approval	Yes		
product component is supported			
HMI-Standard	Yes		
HMI-High Feature	Yes		
product feature integrated bypass contact system	Yes		

number of controlled phases	3			
trip class				
buffering time in the event of power failure	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2			
for main current circuit	100 ms			
for control circuit				
	100 ms			
insulation voltage rated value	600 V 3, acc. to IEC 60947-4-2			
degree of pollution	6 kV			
impulse voltage rated value	-			
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				
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 acc. to IEC 60947-4-2	AC 53a			
reference code acc. to IEC 81346-2	Q			
Substance Prohibitance (Date)	15.02.2018 00:00:00			
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; 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	315 A			
• at 50 °C rated value	279 A			
• at 60 °C rated value	255 A			
operational current at inside-delta circuit				
• at 40 °C rated value	546 A			
• at 50 °C rated value	483 A			
• at 60 °C rated value	442 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				

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 	90 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	160 kW
 at 400 V at 40 °C rated value 	160 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	315 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 	135 A
 at rotary coding switch on switch position 2 	147 A
 at rotary coding switch on switch position 3 	159 A
 at rotary coding switch on switch position 4 	171 A
 at rotary coding switch on switch position 5 	183 A
 at rotary coding switch on switch position 6 	195 A
 at rotary coding switch on switch position 7 	207 A
 at rotary coding switch on switch position 8 	219 A
 at rotary coding switch on switch position 9 	231 A
 at rotary coding switch on switch position 10 	243 A
 at rotary coding switch on switch position 11 	255 A
 at rotary coding switch on switch position 12 	267 A
 at rotary coding switch on switch position 13 	279 A
 at rotary coding switch on switch position 14 	291 A
 at rotary coding switch on switch position 15 	303 A
 at rotary coding switch on switch position 16 	315 A
• minimum	135 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	234 A
 for inside-delta circuit at rotary coding switch on switch position 2 	255 A
 for inside-delta circuit at rotary coding switch on switch position 3 	275 A
 for inside-delta circuit at rotary coding switch on switch position 4 	296 A
 for inside-delta circuit at rotary coding switch on switch position 5 	317 A
 for inside-delta circuit at rotary coding switch on switch position 6 	338 A
 for inside-delta circuit at rotary coding switch on switch position 7 	359 A
 for inside-delta circuit at rotary coding switch on switch position 8 	379 A
• for inside-delta circuit at rotary coding switch on switch position 9	400 A
 for inside-delta circuit at rotary coding switch on switch position 10 	421 A
 for inside-delta circuit at rotary coding switch on switch position 11 for inside delta circuit at rotary coding switch on 	442 A
 for inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on 	462 A 483 A
 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on 	483 A 504 A
 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on 	525 A
 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on 	546 A
switch position 16	

 at inside-delta circuit minimum 	234 A			
	15 %: Relative to smallest settable le			
minimum load [%] power loss [W] for rated value of the current at AC				
• at 40 °C after startup	107 W			
• at 50 °C after startup	96 W			
	89 W			
• at 60 °C after startup	89 W			
power loss [W] at AC at current limitation 350 %	E 250 W			
at 40 °C during startup	5 350 W			
at 50 °C during startup	4 471 W			
• at 60 °C during startup	3 934 W			
Control circuit/ Control				
type of voltage of the control supply voltage	AC			
control supply voltage at AC	110 050 1/			
• 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			
locked-rotor current at close of bypass contact	2.2 A			
maximum				
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			
nputs/ Outputs				
number of digital inputs	1			
number of inputs for thermistor connection	0			
number of digital outputs	3			
not parameterizable	2			
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)			
number of analog outputs	1			
switching capacity current of the relay outputs				
at AC-15 at 250 V rated value	3 A			
• at DC-13 at 24 V rated value	1 A			
nstallation/ mounting/ dimensions				
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back			
fastening method				
height	393 mm			
width	210 mm			
depth	203 mm			
required spacing with side-by-side mounting				
• forwards	10 mm			
backwards	0 mm			
• upwards	100 mm			
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 nstallation/ mounting/ dimensions mounting position fastening method height vidth depth required spacing with side-by-side mounting forwards backwards	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 393 mm 210 mm 203 mm 10 mm 0 mm			

ad the skip add the skip ad	downwards	75 mm			
weight without packaging 9.9 kg Connections/Terminals type of electrical connection • for main current circuit sping-loaded terminals • for DN cable log for main contacts first anded 2x (50240 mm ³) • for DN cable log for main contacts first anded 2x (50240 mm ³) • for DN cable log for main contacts first anded 2x (50240 mm ³) • for control circuit finally stranded with core and processing 2x (2215 mm ³) • for control circuit finally stranded with core and processing 2x (2416) • at AWG cables for control circuit finally stranded with core and processing 2x (2416) • at AWG cables for control circuit finally stranded with core and processing 2x (2416) • at AWG cables for control circuit south screw-type terminals 424 N m • for main contacts with screw-type terminals 1424 N m • for main contacts with screw-type terminals 5.000 m; Dentaing as of 1000 m, see catalog • mainter and maport 20 Jbr/in • during storage and control contacts with screw-type terminals 20 Jbr/in • for main contacts with screw-type terminals 20 Jbr/in • for main contacts with screw-type terminals 20 Jbr/in					
connections/forminals type of electrical connection i for main current circuit i for control circuit width of connection ber maximum 45 min type of connectable conductor cross-sections i for DN cable lug for main contacts finely stranded type of connectable conductor cross-sections i for Control circuit sold i for control circuit finely stranded with ocre end processing wire length i at MKG cables for control circuit finely stranded with or end processing wire length i at MKG cables for control circuit finely stranded with or end processing wire length i for main contracts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control contacts with screw-type terminals i for auxilary and control c					
Type of electrical connection busbar connection • for main current circuit busbar connection • for othic circuit spring-badded terminals • for DIN cable lug for main contacts stranded 2x (50240 mm²) • for DIN cable lug for main contacts stranded 2x (60240 mm²) • for control circuit solid 2x (6215 mm²) • for control circuit solid 2x (2416) • at AWG cables for control circuit solid 2x (2416) • at AWG cables for control circuit solid 2x (2416) • at the digital inputs at AC maximum 800 m • at the digital inputs at AC maximum 800 m • at the digital inputs at AC maximum 100 m • for mains contacts with screw-type terminals 14 24 N m • for mains 124 210 lbf in • for mains and control contacts with screw-type terminals 124 20 lbf in • for mains contacts with screw-type terminals 124 210 lbf in • for main contracts with screw-type terminals 124 210 lbf in • for main contracts with screw-type terminals 124 210 lbf in • for main contracts with screw-type terminals 124 210 lbf in <tr< td=""><td></td><td>a.a kg</td></tr<>		a.a kg			
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• for control circuit spring-loaded terminals width of connectable conductor cross-sections 45 mm • for DIN cable lig for main contacts firsh yes and chable light of main contacts firsh yes and the core end processing 2x (0.2.515 mm ²) • at AWG cables for control circuit solid 2x (0.2.515 mm ²) 2x (0.2.515 mm ²) • at AWG cables for control circuit solid 2x (0.2.515 mm ²) 2x (2.416) • at AWG cables for control circuit solid 2x (2.416) 2x (2.416) • or any fing-loaded terminals 00 m 2x (2.416) • or any fing-loaded terminals 00 m 2x (2.416) • for any fing-loaded terminals 100 m 100 m • for any fing-loaded terminals 100 m 100 m • for any fing-loaded terminals 124210 lbf:ln 124210 lbf:ln • for any fing-paration sec. to lice conzet 5 000 m; Derating as of 1000 m, see catalog ambient conditions 5 000 m; Derating as of 1000 m, see catalog ambient conditions -40 40 "C • during s		husher connection			
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Type of connectable conductor cross-sections i for control circuit solid i for control circuit solid i for control circuit solid at AWG cables for control circuit solid at AWG cables for control circuit finely stranded with core end processing at AWG cables for control circuit finely stranded with core end processing at the digital inputs at AC maximum between soft starter and motor maximum at the digital inputs at AC maximum between soft starter and motor maximum at the digital inputs at AC maximum tor main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque (bf-in) if or auxiliary and control contacts with screw-type terminals for auxiliary and control contacts with screw-type installation altitude at height above sea level maximum during storage and transport during storage and transport during storage acc. to IEC 60721 during storage acc. to IEC 60721 Ves Modobus RTU Ves Modobus RTU ves Ves	-	· · ·			
• for control circuit selid • for control circuit finely stranded with core end processing • at AVVC cables for control circuit finely stranded with core end processing • at AVVC cables for control circuit finely stranded with core end processing • at AVVC cables for control circuit finely stranded with core end processing • between soft starter and motor maximum • tor main contacts with screw-type terminals • for maxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type • during operation • during operation • during storage and transport • during storage and transport • during storage acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storadard Faults at 460/480 V according					
		2x (0.25 1.5 mm²)			
processing 2x (24 16) ext AWG cables for control circuit finely stranded with core and processing 2x (24 16) wire length between soft starter and motor maximum 800 m ext det diptal inputs at AC maximum 100 m tightening torque 100 m • for auxiliary and control contacts with screw-type terminals 14 24 N-m • for auxiliary and control contacts with screw-type terminals 124 210 lbf in • for auxiliary and control contacts with screw-type terminals 124 210 lbf in • for auxiliary and control contacts with screw-type terminals 5000 m; Derating as of 1000 m, see catalog ambient conditions 5000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum 5000 m; Derating as of 1000 m, see catalog • during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation acc. to IEC 60721 3K6 (no lee formation, only occasional condensation), 3C3 (no salt mists) 522 (sand must not get linside the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2C1, 2X1, 2K2 (max, Fail height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2K1, 2K1, 2K2 (max, Fai					
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core and processing B00 m • between soft starter and motor maximum 800 m • at the digital inputs at AC maximum 100 m • for main contacts with screw-type terminals 14 24 N·m • for auxiliary and control contacts with screw-type terminals 14 24 N·m • for auxiliary and control contacts with screw-type terminals 14 24 N·m • for auxiliary and control contacts with screw-type terminals 14 210 lbf in • for auxiliary and control contacts with screw-type terminals 7 10.3 lbf in • for main contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • auxiliary and control contacts with screw-type terminals 7 10.3 lbf in • for main contact with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • during storage act to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 3K6 (only occasional condensation), 1C2 (no salt must), 1S2 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • Modbus RTU Yes • Modobus TCP Yes	 at AWG cables for control circuit finely stranded with 				
between soft starter and motor maximum eit the digital inputs at AC maximum 100 m 10 m 11 4 24 N m 0.8 12 N m 11 4 210 lbf-in 7 10.3 lbf-in					
• at the digital inputs at AC maximum 100 m tightening torque 1424 N·m • for maxiliary and control contacts with screw-type terminals 0.812 N·m • for auxiliary and control contacts with screw-type terminals 124210 lbf-in • for main contacts with screw-type terminals 124210 lbf-in • for auxiliary and control contacts with screw-type terminals 124210 lbf-in /Ambient conditions 5 000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog ambient temporature -25+60 °C; Please observe derating at temperatures of 40 °C or above • during operation -25+60 °C; • during storage and transport -40+80 °C • during storage c. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) acc to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fail height 0.3 m) • Ether Net/IP Yes • EtherNet/IP Yes • Modbus TCP Yes • Derouting to Standard Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 KA • usable for High Faults at 460/480 V at inside-dela circuit according to UL Siemens type:	wire length				
tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals. 14 24 N·m 0.8 1.2 N·m tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals. Ambient conditions installation altitude at height above sea level maximum during storage and transport during storage and transport during storage acc. to IEC 60721 during transport acc. terminals etroic to module is supported etroic to IEC 60721 during transport acc. tero transport acc. terminals transport acc.<td> between soft starter and motor maximum </td><td>800 m</td>	 between soft starter and motor maximum 	800 m			
• for main contacts with screw-type terminals 14 24 N·m • for auxiliary and control contacts with screw-type terminals 0.8 1.2 N·m tightening torque [lbf·in] • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 124 210 lbf in Anbient conditions 5 000 m; Derating as of 1000 m, see catalog installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog ambient temperature • during operation • during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • during operation acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 • during transport acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) • ULCSA traines Sie	 at the digital inputs at AC maximum 	100 m			
	tightening torque				
terminals 104 tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals 124 210 lbf-in Ambient conditions 7 10.3 lbf-in installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog ambient temperature • during operation • during storage and transport -40 +80 °C environmental category • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get ino the devices), 3M6 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • Modbus TCP Yes • Modbus TCP Yes • PROFIBUS Yes ULCSA ratings Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA • usable for High Faults at 460/480 V according to UL. Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 KA • usable for Standard Faults at 460/480 V according to UL. Siemens ty	 for main contacts with screw-type terminals 	14 24 N·m			
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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 Yes manufacturer's article number of circuit breaker - usable for Standard Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA					
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communication module is supported PROFINET standard • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes UL/CSA ratings usable for Standard Faults at 460/480 V according to UL - usable for High Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA54, max. 600 A; Iq = 18 kA - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA54, max. 600 A; Iq = 18 kA - usable for High Faults at 460/480 V at inside- Siemens type: 3VA54, max. 600 A; Iq = 18 kA		acc. to IEC 60947-4-2: Class A			
 PROFINET standard PROFINET standard EtherNet/IP Modbus RTU Modbus RTU Yes Modbus TCP Yes PROFIBUS Yes UL/CSA ratings UL/CSA ratings Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V at inside- Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA Siemens type: 3VA54, max. 600 A; Iq = 18 kA 					
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Modbus TCP PROFIBUS Yes Yes Ves Ves					
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manufacturer's article number • of circuit breaker - usable for Standard Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq = 18 kA - usable for High Faults at 460/480 V according to UL Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3VA54, max. 600 A; lq = 18 kA - usable for High Faults at 460/480 V at inside- Siemens type: 3VA54, max. 600 A; lq = 18 kA		Yes			
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to ULkA— usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3VA54, max. 600 A; Iq = 18 kA— usable for High Faults at 460/480 V at inside-Siemens type: 3VA54, max. 600 A; Iq max = 65 kA					
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA54, max. 600 A; lq max = 65 kA	 of circuit breaker — usable for Standard Faults at 460/480 V 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA			
	 of circuit breaker usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65			
	 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 	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq max = 65 kA			

 — usable for Standard Faults at 575/600 V according to UL 		Siemens type: 3VA53, max	400 A or 3VA54, max	. 600 A; Iq = 18 kA		
— usable for Standard Faults at 575/600 V inside-delta circuit according to UL	at	Siemens type: 3VA54, max.	. 600 A; lq = 18 kA			
• of the fuse						
 — usable for Standard Faults up to 575/600 V according to UL 		Type: Class J / L, max. 1000 A; Iq = 18 kA				
 usable for High Faults up to 575/600 V according to UL 		Type: Class J / L, max. 1000 A; Iq = 100 kA				
 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	а	Type: Class J / L, max. 1000 A; Iq = 18 kA				
 — usable for High Faults at inside-delta circ to 575/600 V according to UL 	cuit up	Type: Class J / L, max. 1000 A; Iq = 100 kA				
operating power [hp] for 3-phase motors						
 at 200/208 V at 50 °C rated value 		75 hp				
 at 220/230 V at 50 °C rated value 		100 hp				
 at 460/480 V at 50 °C rated value 		200 hp				
 at 200/208 V at inside-delta circuit at 50 °C ra value 	ated	150 hp				
 at 220/230 V at inside-delta circuit at 50 °C ra value 	ated	200 hp				
 at 460/480 V at inside-delta circuit at 50 °C ra value 	ated	400 hp				
contact rating of auxiliary contacts according to	UL	R300-B300				
Safety related data						
protection class IP on the front acc. to IEC 6052	9	IP00; IP20 with cover				
touch protection on the front acc. to IEC 60529	-	finger-safe, for vertical contact from the front with cover				
electromagnetic compatibility	· · · · ·		in accordance with IEC 60947-4-2			
Certificates/ approvals						
				Declaration of		
General Product Approval			EMC	Declaration of Conformity		
General Product Approval	_		EMC			
General Product Approval		cor	EMC			
General Product Approval	(4)	EAC	EMC			
General Product Approval	٩	EAC				
General Product Approval	(J) u	EAC		Conformity		
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Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5245-2AC14 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5245-2AC14 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5245-2AC14

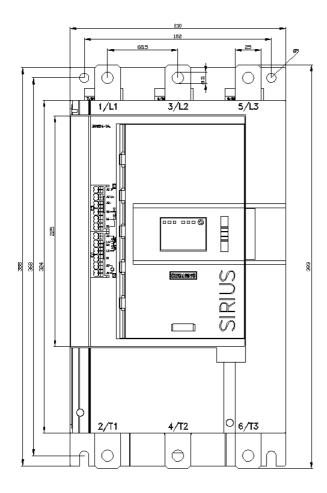
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5245-2AC14&lang=en</u> Characteristic: Tripping characteristics, I²t, Let-through current

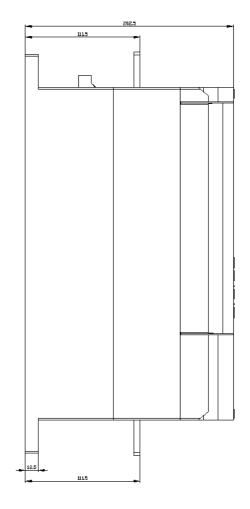
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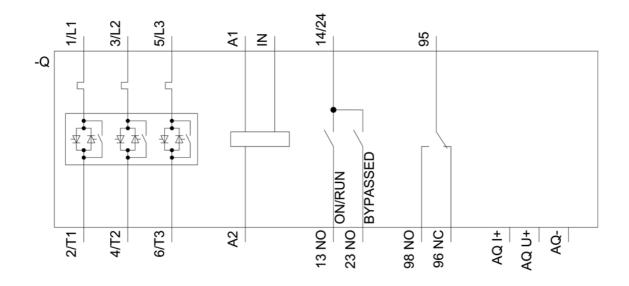
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5245-2AC14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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