SIEMENS

Data sheet

3RW5216-1AC14



SIRIUS soft starter 200-480 V 32 A, 110-250 V AC Screw 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 	3RW5980-0HS00
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V at inside-delta circuit 	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10
 of the gG fuse usable up to 690 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA
 of the gG fuse usable at inside-delta circuit up to 500 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1818-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE8022-1; Type of coordination 2, Iq = 65 kA
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	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	
 for main current circuit 	100 ms
for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between main and auxiliary circuit 	600 V
utilization category acc. to IEC 60947-4-2	AC 53a
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
reference code acc. to IEC 81346-2	Q
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
<i>6</i>	module
firmware update remenuels terminal for control singuit	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	32 A
• at 50 °C rated value	28.4 A
• at 60 °C rated value	26 A
operational current at inside-delta circuit	
• at 40 °C rated value	55.4 A
 at 50 °C rated value 	49 A
• at 60 °C rated value	45 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	10 %

inside-delta circuit	
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	7.5 kW
• at 230 V at inside-delta circuit at 40 °C rated value	15 kW
• at 400 V at 40 °C rated value	15 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	22 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 	14 A
 at rotary coding switch on switch position 2 	15.2 A
 at rotary coding switch on switch position 3 	16.4 A
 at rotary coding switch on switch position 4 	17.6 A
 at rotary coding switch on switch position 5 	18.8 A
 at rotary coding switch on switch position 6 	20 A
 at rotary coding switch on switch position 7 	21.2 A
 at rotary coding switch on switch position 8 	22.4 A
 at rotary coding switch on switch position 9 	23.6 A
 at rotary coding switch on switch position 10 	24.8 A
at rotary coding switch on switch position 11	26 A
at rotary coding switch on switch position 12	27.2 A
 at rotary coding switch on switch position 13 	28.4 A
 at rotary coding switch on switch position 14 	29.6 A
at rotary coding switch on switch position 15	30.8 A
• at rotary coding switch on switch position 16	32 A
• minimum	14 A
 adjustable motor current for inside-delta circuit at rotary coding switch on switch position 1 	24.2 A
 for inside-delta circuit at rotary coding switch on switch position 2 	26.3 A
• for inside-delta circuit at rotary coding switch on switch position 3	28.4 A
 for inside-delta circuit at rotary coding switch on switch position 4 	30.5 A
 for inside-delta circuit at rotary coding switch on switch position 5 	32.6 A
 for inside-delta circuit at rotary coding switch on switch position 6 	34.6 A
 for inside-delta circuit at rotary coding switch on switch position 7 	36.7 A
• for inside-delta circuit at rotary coding switch on switch position 8	38.8 A
 for inside-delta circuit at rotary coding switch on switch position 9 for inside delta circuit at rotary coding switch on 	40.9 A
 for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at rotary coding switch on 	43 A 45 A
 for inside-delta circuit at rotary coding switch on switch position 11 for inside delta circuit at rotary coding switch on 	45 A
 for inside-delta circuit at rotary coding switch on switch position 12 for inside delta circuit at rotary coding switch on 	47.1 A
 for inside-delta circuit at rotary coding switch on switch position 13 for inside-delta circuit at rotary coding switch on 	49.2 A 51.3 A
 for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on 	53.3 A
 for inside-delta circuit at rotary coding switch on switch position 15 for inside-delta circuit at rotary coding switch on 	55.4 A
 Ior inside-delta circuit at rotary cooing switch on switch position 16 at inside-delta circuit minimum 	24.2 A
	LT.LIV

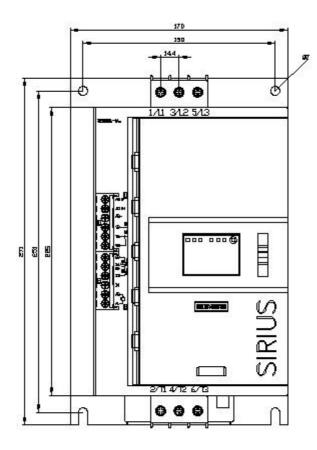
minimum load [9/]	15 %; Relative to smallest settable le
minimum load [%]	15 %, Relative to smallest settable le
power loss [W] for rated value of the current at AC	22.14/
• at 40 °C after startup	22 W
• at 50 °C after startup	21 W
• at 60 °C after startup	20 W
power loss [W] at AC at current limitation 350 %	=0.1.11
• at 40 °C during startup	531 W
• at 50 °C during startup	449 W
• at 60 °C during startup	395 W
Control circuit/ Control	
type of voltage of the control supply voltage	AC
 control supply voltage at AC at 50 Hz 	110 250 V
 control supply voltage at AC 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	0.17 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
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 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
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting
fastening method	surface +/- 22.5° tiltable to the front and back
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	
forwards	10 mm
backwards	0 mm
	100 mm
 upwards downwards 	75 mm
• at the side	5 mm

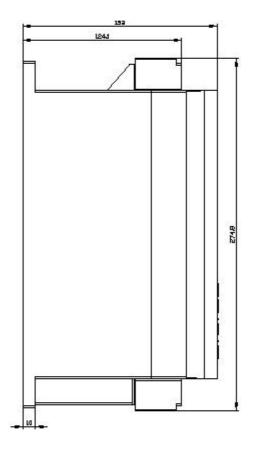
not get inside the devices), 1M4 • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Communication Protocol communication module is supported • PROFINET standard • PROFINET standard Yes • Modbus RTU • Modbus RTU • PROFIBUS Yes • Modbus TCP • PROFIBUS Yes • PROFIBUS VL/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 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- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA	weight without packaging	2.3 kg
is for main current circuit screw-type terminals is for main contacts	Connections/ Terminals	
• for control circuit screw-type terminals type of connectable conductor cross-sections : • for main contacts : • ad AWG cables for main current circuit solid : • type of connectable conductor cross-sections : • tor control circuit solid : • tor main contacts with screw-type terminals	type of electrical connection	
type of connectable conductor cross-sections For main contacts • for main contacts - solid - solid - solid - finely stranded with core end processing 2x (1 0 2.5 mm ²), 2x (2 5 60 mm ²) • for control circuit finely stranded with core end processing 1x (0 5 4 0 mm ²), 2x (0 5 2.5 mm ²) • for control circuit finely stranded with core end processing 1x (0 5 2 4 mm ²), 2x (0 5 2.5 mm ²) • for control circuit finely stranded with core end processing 1x (2 5 4 0 mm ²), 2x (2 0 15 mm ²) • for auxiliary and control contacts with screw-type terminals 60 m • for auxiliary and control contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • for auxiliary and control contacts with screw-type terminals 5 000 m; Derating as of 1000 m, see catalog • ambient temperature during operation 2 40 °C; Please observe derating at temperatures of 40 °C or above • ambient temperature during operation 2 40 °C; Please observe derating at temperatures of 40 °C or above • during storage act: to EC 60721 2 40 °C; Please observe derating at temperatures of 40 °C or above • during storage act: to EC 60721 2 25, 2 20 31, 2 20 30 32 (no satt mist), 322 (and must not get into the devices), 3 30 (no satt mist), 322 (and must not get into the devices), 3 32 (no satt mist),	for main current circuit	screw-type terminals
 for main contacts solid Solid	for control circuit	screw-type terminals
 - solid - finely stranded with core end processing et AWS cables for main current circuit solid for control circuit finely stranded with core end processing et AWS cables for control circuit solid ta Control circuit finely stranded with core end processing et AWS cables for control circuit solid ta the digital inputs at AC maximum to for auxiliary and control contacts with screev-type terminals for auxiliary and control contacts with screev-type terminals during operation act. to IEC 60721 ambient temperature during operation authient torduring storage and transport during storage act. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) during storage act. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max, fall height 0.3 m) act of Isroader Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL	type of connectable conductor cross-sections	
	 for main contacts 	
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tightening torque [lbf-in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals most output to contacts with screw-type terminals ambient conditions installation altitude at height above sea level maximum for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation ambient temperature during storage and transport during operation acc. to IEC 60721 during storage acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 during transport acc. to IEC 60721 during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) EtherNet/IP Modbus RTU Modbus RTU Modbus RTU Ves Yes Modbus RTU usable for Standard Faults at 460/480 V according to UL usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V at inside- biemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65 kA		0.8 1.2 N·m
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Installation altitude at height above sea level maximum 5 000 m; Derating as of 1000 m, see catalog • ambient temperature during operation -25 +60 °C; Please observe derating at temperatures of 40 °C or above • ambient temperature during storage and transport -40 +80 °C • 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 mus 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) • during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • DeroliNET standard Yes • PROFINET standard Yes • Modbus TCP Yes • Modbus TCP Yes • JULCSA ratings Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 KA manufacturer's article number • of circuit breaker - usable for Sta		
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• during transport acc. to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) 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 • DROFIBUS Yes • DIL/CSA ratings Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA - usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA - usable for Standard Faults at 460/480 V at inside-elta circuit according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA - usable for Standard Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA	 during storage acc. to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must
EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol communication module is supported PROFINET standard Yes PROFINET standard 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: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA usable for Standard Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
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 - usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for High Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for High Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
communication module is supported • PROFINET standard Yes • EtherNet/IP Yes • Modbus RTU Yes • Modbus RTU Yes • Modbus TCP Yes • PROFIBUS Yes UL/CSA ratings Yes usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for High Faults at 460/480 V according to UL Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65 kA - usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3RV2742, max.70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for High Faults at 460/480 V at inside- Siemens type: 3RV2742, max.70 A or 3VA51, max. 100 A; Iq = 5 kA		acc. to IEC 60947-4-2: Class A
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 Modbus RTU Modbus TCP Modbus TCP PROFIBUS Yes UL/CSA ratings UL/CSA ratings Simmanufacturer'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 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- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA 		
 Modbus TCP PROFIBUS Yes UL/CSA ratings UL/CSA ratings 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- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA 		
• PROFIBUS Yes UL/CSA ratings Figure 1 manufacturer's article number • of circuit breaker • 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 Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA - usable for Standard Faults at 460/480 V according to UL Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65 kA - usable for Standard Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA		
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 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- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 kA		
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 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- Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; lq max = 65 kA		Yes
 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 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- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA 		
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according to UL — usable for High Faults at 460/480 V according to UL Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; lq max = 65 kA — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA — usable for High Faults at 460/480 V at inside- Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA		Sigmond type: $2D/2742$ may 70 Å or $2/454$ may 400 Å is -5 kÅ
to ULkA— usable for Standard Faults at 460/480 V at inside-delta circuit according to ULSiemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA— usable for High Faults at 460/480 V at inside-Siemens type: 3VA51, max. 60 A; lq max = 65 kA		Siemens type. $3RVZ742$, max. 70 A or $3VA51$, max. 100 A, iq = 5 kA
inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside- Siemens type: 3VA51, max. 60 A; lq max = 65 kA		
		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
delta circuit according to UL		Siemens type: 3VA51, max. 60 A; lq max = 65 kA
— usable for Standard Faults at 575/600 V Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA according to UL		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA		Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA

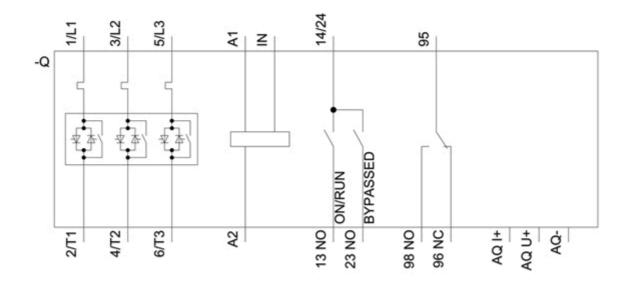
 of the fuse 	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 125 A; Iq = 5 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 125 A; lq = 100 kA
 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 125 A; lq = 5 kA
 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 125 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	7.5 hp
 at 220/230 V at 50 °C rated value 	10 hp
 at 460/480 V at 50 °C rated value 	20 hp
 at 200/208 V at inside-delta circuit at 50 °C rated value 	15 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	15 hp
at 460/480 V at inside-delta circuit at 50 °C rated value	30 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
electromagnetic compatibility	in accordance with IEC 60947-4-2
Certificates/ approvals	
	EMC
General Product Approval	
() () () () () () () () () () () () () (
Image: Second system Image: Second system Image: Second system Image: Second system Declaration of Conformity Test Certificates/ Type Test Certificates/ Miscellaneous Image: Second system Image: Second system Miscellaneous Image: Second system Image: Second system	Test ABS LIRS PRS
Image: Sector	tinest Lest ABS LES PFS PFS PFS PFS PFS PFS PFS PF

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5216-1AC14&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917







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