SIEMENS

Data sheet 3RW5217-3AC05



SIRIUS soft starter 200-600 V 38 A, 24 V AC/DC spring-type terminals Analog output

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of circuit breaker usable at 400 V at inside-delta circuit
- of circuit breaker usable at 500 V at inside-delta circuit
- of the gG fuse usable up to 690 V
- of the gG fuse usable at inside-delta circuit up to 500 V
- \bullet of full range R fuse link for semiconductor protection usable up to 690 V
- of back-up R fuse link for semiconductor protection usable up to 690 V

SIRIUS

Hybrid switching devices

Soft starter

3RW52

3RW5980-0HS00

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3RV2032-4WA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4WA10; Type of coordination 1, Iq = 10 kA, CLASS 10

3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10

3NA3824-6; Type of coordination 1, Iq = 65 kA

3NA3824-6; Type of coordination 1, Iq = 65 kA

3NE1820-0; Type of coordination 2, Iq = 65 kA

3NE8024-1; Type of coordination 2, Iq = 65 kA

General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter current limiting value [%] adjustable certificate of suitability

- CE marking
- UL approval
- CSA approval

product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

130 ... 700 %

Yes

Yes

Yes

No

Yes

Yes

Yes

3

CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

for main current circuit	100
	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
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
product function	02/13/2010
•	Yes
• ramp-up (soft starting)	
• 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
FROTieriergy	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	nivii)
Power Electronics operational current	
Power Electronics operational current • at 40 °C rated value	38 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value	38 A 33.5 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value	38 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit	38 A 33.5 A 30.5 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value	38 A 33.5 A 30.5 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operating voltage	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 %
power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 %
power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 % 10 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 400 V at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 % 10 %
Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value operational current at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value operating voltage • rated value • at inside-delta circuit rated value relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit operating power for 3-phase motors • at 230 V at 40 °C rated value • at 230 V at inside-delta circuit at 40 °C rated value	38 A 33.5 A 30.5 A 65.8 A 58 A 52.8 A 200 600 V 200 600 V -15 % 10 % -15 % 10 %

at EOO V at incide delta aircuit at 40 °C rated value	27 1/1/
at 500 V at inside-delta circuit at 40 °C rated value	37 kW
Operating frequency 1 rated value	50 Hz
Operating frequency 2 rated value	60 Hz
relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency	-10 % 10 %
adjustable motor current	10 76
at rotary coding switch on switch position 1	15.5 A
at rotary coding switch on switch position 2	17 A
at rotary coding switch on switch position 3	18.5 A
at rotary coding switch on switch position 4	20 A
at rotary coding switch on switch position 5	21.5 A
at rotary coding switch on switch position 6	23 A
at rotary coding switch on switch position 7	24.5 A
at rotary coding switch on switch position 8	26 A
 at rotary coding switch on switch position 9 	27.5 A
 at rotary coding switch on switch position 10 	29 A
 at rotary coding switch on switch position 11 	30.5 A
 at rotary coding switch on switch position 12 	32 A
 at rotary coding switch on switch position 13 	33.5 A
 at rotary coding switch on switch position 14 	35 A
 at rotary coding switch on switch position 15 	36.5 A
 at rotary coding switch on switch position 16 	38 A
• minimum	15.5 A
adjustable motor current	
 for inside-delta circuit at rotary coding switch on switch position 1 	26.8 A
for inside-delta circuit at rotary coding switch on	29.4 A
switch position 2	20.471
for inside-delta circuit at rotary coding switch on	32 A
switch position 3	
for inside-delta circuit at rotary coding switch on	34.6 A
switch position 4	27.2 4
 for inside-delta circuit at rotary coding switch on switch position 5 	37.2 A
for inside-delta circuit at rotary coding switch on	39.8 A
switch position 6	
 for inside-delta circuit at rotary coding switch on 	42.4 A
switch position 7	
 for inside-delta circuit at rotary coding switch on switch position 8 	45 A
for inside-delta circuit at rotary coding switch on	47.6 A
switch position 9	47.0 A
for inside-delta circuit at rotary coding switch on	50.2 A
switch position 10	
for inside-delta circuit at rotary coding switch on	52.8 A
switch position 11	FF 4 A
 for inside-delta circuit at rotary coding switch on switch position 12 	55.4 A
for inside-delta circuit at rotary coding switch on	58 A
switch position 13	
• for inside-delta circuit at rotary coding switch on	60.6 A
switch position 14	
for inside-delta circuit at rotary coding switch on witch position 45.	63.2 A
switch position 15	65.8 A
 for inside-delta circuit at rotary coding switch on switch position 16 	00.0 A
at inside-delta circuit minimum	26.8 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	23 W
at 50 °C after startup	22 W
 at 60 °C after startup 	21 W
power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	628 W
• at 50 °C during startup	526 W
at 60 °C during startup	464 W

Control circuit/ Control

type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
 at 50 Hz rated value 	24 V
 at 60 Hz rated value 	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply	-20 %
voltage at AC at 60 Hz relative positive tolerance of the control supply	20 %
voltage at AC at 60 Hz	
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply	-10 %
voltage frequency relative positive tolerance of the control supply	10 %
voltage frequency	
control supply voltage	041/
at DC rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	360 mA
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 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
accign or chort chount protection for contract chount	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
	1
number of digital inputs	1
number of digital outputs	3
 not parameterizable 	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	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
	surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	275 mm
width	170 mm
depth	152 mm
required spacing with side-by-side mounting	
forwards	10 mm
• backwards	0 mm
• upwards	100 mm
• downwards	75 mm
at the side	5 mm
weight without packaging	2.3 kg
Connections/ Terminals	
type of electrical connection	corow type terminals
for main current circuit for control circuit	screw-type terminals
• for control circuit	spring-loaded terminals
type of connectable conductor cross-sections	
for main contacts	
— solid	2x (1.0 2.5 mm²), 2x (2.5 10 mm²)
 finely stranded with core end processing 	2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
— finely stranded with core end processingat AWG cables for main current circuit solid	

 for control circuit solid 	2x (0.25 1.5 mm²)
 for control circuit finely stranded with core end 	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	
between soft starter and motor maximum	800 m
 at the digital inputs at AC maximum 	100 m
at the digital inputs at DC maximum	1 000 m
	1 000 111
tightening torque	0.051
for main contacts with screw-type terminals	2 2.5 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	18 22 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 temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or
- dailing operation	above
 during storage and transport 	-40 +80 °C
environmental category	
	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
 during operation according to IEC 60721 	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
• during storage according to IEC 60721	not get inside the devices), 1M4
a during transport according to IEC 60721	
during transport according to IEC 60721 FIG. amitted interferonce.	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	Yes
Modbus TCP	Yes
PROFIBUS	Yes
	100
UL/CSA ratings	
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. 125 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; lq max = 65 kA
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- 	kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta circuit according to UL usable for Standard Faults at 575/600 V according to UL usable for Standard Faults at 575/600 V at 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta 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 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta 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 of the fuse 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta 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 of the fuse usable for Standard Faults up to 575/600 V 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta 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 of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA
 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 of the fuse 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 Standard Faults at inside-delta 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Type: Class RK5 / K5, max. 150 A; Iq = 5 kA
— 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 • of the fuse — 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Type: Class RK5 / K5, max. 150 A; Iq = 5 kA Type: Class J / L, max. 150 A; Iq = 100 kA
— 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 • of the fuse — 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3VA51, max. 60 A; Iq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; Iq = 5 kA Type: Class RK5 / K5, max. 150 A; Iq = 5 kA Type: Class RK5 / K5, max. 150 A; Iq = 100 kA Type: Class RK5 / K5, max. 150 A; Iq = 5 kA
— 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 • of the fuse — 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL Operating power [hp] for 3-phase motors	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL usable for High Faults at 460/480 V at insidedelta 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 of the fuse 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA
 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 of the fuse 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA Type: Class J / L, max. 150 A; lq = 100 kA
 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 of the fuse 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 	kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3VA51, max. 60 A; lq max = 65 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Siemens type: 3RV2742, max. 70 A or 3VA51, max. 125 A; lq = 5 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA Type: Class RK5 / K5, max. 150 A; lq = 5 kA Type: Class J / L, max. 150 A; lq = 100 kA

• at 575/600 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated

• at 220/230 V at inside-delta circuit at 50 °C rated value

• at 460/480 V at inside-delta circuit at 50 °C rated value

• at 575/600 V at inside-delta circuit at 50 °C rated value

contact rating of auxiliary contacts according to UL

30 hp 15 hp

20 hp 40 hp

50 hp

R300-B300

Safety related data

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 electromagnetic compatibility

IP20

finger-safe, for vertical contact from the front in accordance with IEC 60947-4-2

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other



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=3RW5217-3AC05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5217-3AC05

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC05

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5217-3AC05\&lang=en}}$

Characteristic: Tripping characteristics, I2t, Let-through current

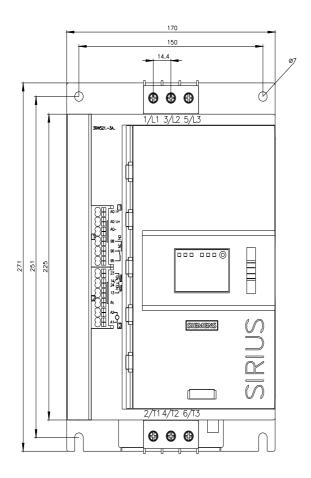
https://support.industry.siemens.com/cs/ww/en/ps/3RW5217-3AC05/char

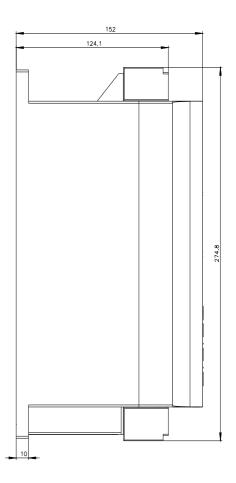
Characteristic: Installation altitude

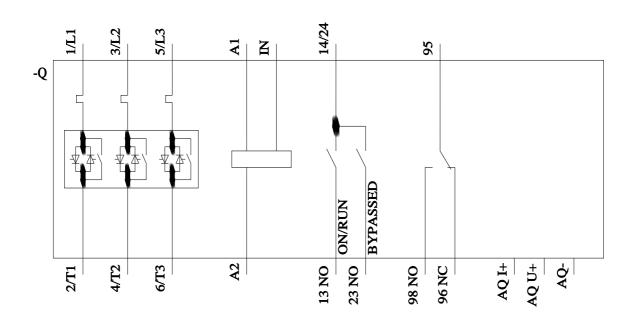
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5217-3AC05&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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