SIEMENS

Data sheet 3RW5216-1AC04



SIRIUS soft starter 200-480 V 32 A, 24 V AC/DC Screw 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

3RV2032-4VA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4VA10; Type of coordination 1, Iq = 10 kA, CLASS 10

3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10

3RV2032-4JA10; 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

3NE1818-0; Type of coordination 2, Iq = 65 kA

3NE8022-1; 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

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
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	
ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down intrinsic devices mante et in a	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Electronic motor overload protection
evaluation of thermistor motor protection	No V
• inside-delta circuit	Yes
• auto-RESET	Yes Yes
manual RESET remote reset	
communication function	Yes; By turning off the control supply voltage 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	32 A
• at 50 °C rated value	28.4 A
• at 60 °C rated value	26 A
operational current at inside-delta circuit	EE A A
• at 40 °C rated value	55.4 A
 at 50 °C rated value at 60 °C rated value 	49 A 45 A
operating voltage	45 A
• 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	
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 at rotary coding switch on switch position 13 	27.2 A 28.4 A
at rotary coding switch on switch position 13 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 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 for inside-delta circuit at rotary coding switch on 	36.7 A 38.8 A
switch position 8 • for inside-delta circuit at rotary coding switch on	40.9 A
switch position 9 • for inside-delta circuit at rotary coding switch on	43 A
switch position 10 • for inside-delta circuit at rotary coding switch on	45 A
switch position 11 • for inside-delta circuit at rotary coding switch on	47.1 A
switch position 12 • for inside-delta circuit at rotary coding switch on	49.2 A
switch position 13for inside-delta circuit at rotary coding switch on	51.3 A
 switch position 14 for inside-delta circuit at rotary coding switch on 	53.3 A
switch position 15 • for inside-delta circuit at rotary coding switch on switch position 16	55.4 A
switch position 16 • at inside-delta circuit minimum	24.2 A
	15 %; Relative to smallest settable le
minimum load [%] power loss [W] for rated value of the current at AC	10 /u, Indiative to Silianest Settable le
• 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 %	
• 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/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 voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
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 voltage	
 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
	circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Innuted Outputs	not part of scope of supply
Inputs/ Outputs	1
number of digital inputs	1 3
number of digital outputs	2
not parameterizable 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	
	with vertical mounting surface +/-90° rotatable, with vertical mounting
mounting position	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	
forwards	10 mm
backwards	0 mm
backwardsupwards	0 mm 100 mm
backwardsupwardsdownwards	0 mm 100 mm 75 mm
backwardsupwardsdownwardsat the side	0 mm 100 mm 75 mm 5 mm
 backwards upwards downwards at the side weight without packaging 	0 mm 100 mm 75 mm
 backwards upwards downwards at the side weight without packaging Connections/ Terminals	0 mm 100 mm 75 mm 5 mm
 backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection 	0 mm 100 mm 75 mm 5 mm 2.3 kg
 backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit 	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit	0 mm 100 mm 75 mm 5 mm 2.3 kg
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts solid	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing • at AWG cables for main current circuit solid	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid type of connectable conductor cross-sections	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²) 2x (16 12), 2x (14 8)
backwards upwards downwards at the side weight without packaging Connections/ Terminals type of electrical connection for main current circuit for control circuit type of connectable conductor cross-sections for main contacts — solid — finely stranded with core end processing at AWG cables for main current circuit solid	0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals 2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)

processing	•	
wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at DC maximum • at maximic maximic more at the digital inputs at DC maximum • 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 main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals 5 manufacture terminals 5 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 2 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 2 manufacture for main contacts with screw-type terminals 3 manufacture for main contacts with screw-type terminals 4 must perfect for for main contact with screw-type terminals 2 more for for main contact w	at AWG cables for control circuit solid	
wire length • between soft starter and motor maximum • at the digital inputs at AC maximum • at the digital inputs at DC maximum • at maximic maximic more at the digital inputs at DC maximum • 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 main contacts with screw-type terminals • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals 5 manufacture terminals 5 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 2 manufacture for main contacts with screw-type terminals 1 manufacture for main contacts with screw-type terminals 2 manufacture for main contacts with screw-type terminals 3 manufacture for main contacts with screw-type terminals 4 must perfect for for main contact with screw-type terminals 2 more for for main contact w	action of the control	(20 12), 2x (20 14)
 at the digital inputs at AC maximum at the digital inputs at DC maximum tightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals tightening torque [lbf·in] for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals for main contacts with screw-type terminals for auxiliary and control scalars for on the first and terminals for on the first and termina	length	
• at the digital inputs at DC maximum tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [lbf·in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • Communication module is supported • PROFINET standard •	between soft starter and motor maximum) m
tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [libf·in] • for main 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 Amblent conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during operation according to IEC 60721 • during operation according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • Communication/Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS profice 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: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65	at the digital inputs at AC maximum) m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals tightening torque [ibf-in] • for main 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 terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage and transport • during storage and transport • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • ZK2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) • Communication / Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS pres 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 Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65	at the digital inputs at DC maximum	00 m
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 during storage and transport 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 during transport according to IEC 60721 EMC emitted interference communication/ Protocol PROFINET standard EtherNet/IP Modbus RTU Modbus RTU Modbus TCP PROFIBUS PROFIBUS Ves PROFIBUS DIL/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 Siemens type: 3RV2742, max. 70 A or 3VA51, max. 60 A; Iq max = 65 	·	+60 °C: Please observe derating at temperatures of 40 °C or
environmental category • during operation according to IEC 60721 • during storage according to IEC 60721 • during storage according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • during transport according to IEC 60721 • Maccording to IEC 60721 • Communication Protocol communication Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according Siemens 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	daming operation	
during operation according to IEC 60721 during storage according to IEC 60721 during storage according to IEC 60721 during transport acco	during storage and transport	+80 °C
mist), 3S2 (sand must not get into the devices), 3M6 • during storage according to IEC 60721 • during transport according to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to IEC 60721 mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes • PROFIBUS Ves • PROFIBUS Siemens 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	ronmental category	
 during storage according to IEC 60721 during transport according to IEC 60721 e during transport according to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according Siemens type: 3RV2742, max. 40 A or 3VA51, max. 60 A; Iq max = 65 	during operation according to IEC 60721	
oduring transport according to IEC 60721 EMC emitted interference Communication/ Protocol communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS PROFIBUS PROFIBUS Tyes PROFIBUS PROFIBUS Tyes Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA according to UL — usable for High Faults at 460/480 V according Not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens 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		, , ,
 during transport according to IEC 60721	during storage according to IEC 60721	
EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according siemens 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	during transport according to IEC 60721	· · · · · · · · · · · · · · · · · · ·
communication module is supported PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS Ves PROFIBUS Ves Yes Yes Yes Yes Yes Ves Ves Ves Ves Ves Ves Ves Ves Ves V		
communication module is supported • PROFINET standard • EtherNet/IP • Modbus RTU • Modbus TCP • PROFIBUS UL/CSA ratings manufacturer's article number • of circuit breaker — usable for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V according Siemens 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		. to 1EO 00347-4-2. Class A
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS PROFIBUS Yes 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 Siemens 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 		
 EtherNet/IP Modbus RTU Modbus TCP PROFIBUS Yes PROFIBUS Yes Ves Ves Ves Ves 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 Siemens 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 	• • •	
 Modbus RTU Modbus TCP PROFIBUS Yes PROFIBUS Yes 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 Siemens 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		
 Modbus TCP PROFIBUS Yes 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 Siemens 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 		
 PROFIBUS Yes UL/CSA ratings		
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 Siemens 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		
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 Siemens 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		
 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: 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 		
 usable for Standard Faults at 460/480 V according to UL usable for High Faults at 460/480 V according Siemens 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 		
— usable for High Faults at 460/480 V according Siemens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65		mens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
	according to UL	
		mens type: 3RV2742, max.40 A or 3VA51, max. 60 A; Iq max = 65
— 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		mens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 5 kA
— usable for High Faults at 460/480 V at insidedelta circuit according to UL Siemens type: 3VA51, max. 60 A; Iq max = 65 kA	— usable for High Faults at 460/480 V at inside-	mens 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	— usable for Standard Faults at 575/600 V	mens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; Iq = 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; Iq = 5 kA	— usable for Standard Faults at 575/600 V at	mens 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 Type: Class RK5 / K5, max. 125 A; Iq = 5 kA according to UL		e: 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; Iq = 100 kA	— usable for High Faults up to 575/600 V	e: Class J / L, max. 125 A; Iq = 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; Iq = 5 kA	usable for Standard Faults at inside-delta	e: Class RK5 / K5, max. 125 A; Iq = 5 kA
— usable for High Faults at inside-delta circuit up Type: Class J / L, max. 125 A; Iq = 100 kA		e: Class J / L, max. 125 A; Iq = 100 kA
• at 200/208 V at 50 °C rated value 7.5 hp	to 575/600 V according to UL	
• at 220/230 V at 50 °C rated value 10 hp	to 575/600 V according to UL rating power [hp] for 3-phase motors	hp
• at 460/480 V at 50 °C rated value 20 hp	to 575/600 V according to UL rating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value	
• at 200/208 V at inside-delta circuit at 50 °C rated value	to 575/600 V according to UL rating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value	hp
• at 220/230 V at inside-delta circuit at 50 °C rated value	to 575/600 V according to UL rating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated	hp hp

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

value

30 hp

R300-B300

Safety related data

protection class IP on the front according to IEC

IP20

touch protection on the front according to IEC 60529

contact rating of auxiliary contacts according to UL

finger-safe, for vertical contact from the front

electromagnetic compatibility

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=3RW5216-1AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5216-1AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5216-1AC04&lang=en

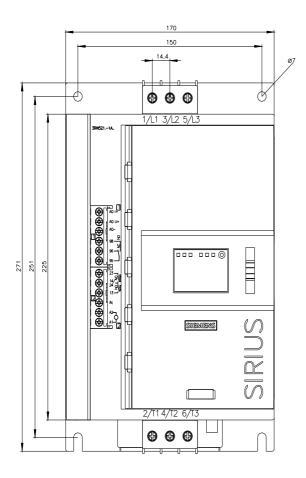
Characteristic: Tripping characteristics, I²t, Let-through current

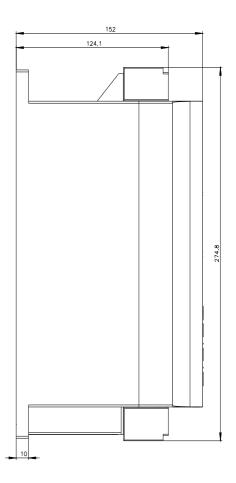
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC04/char

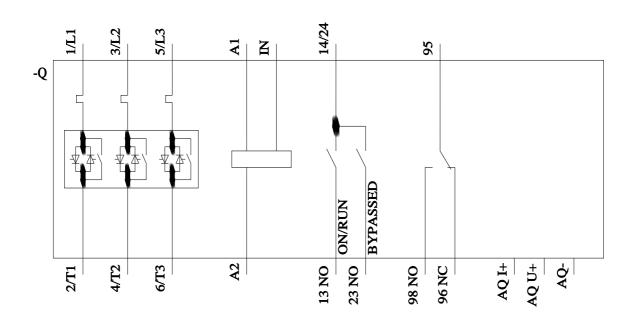
Characteristic: Installation altitude

Simulation Tool for Soft Starters (STS)

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







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