SIEMENS

Data sheet 3RW5216-1AC15



SIRIUS soft starter 200-600 V 32 A, 110-250 V AC 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

2

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	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
• FROTierleigy	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
• analog output	HMI)
Power Electronics	
operational current	00.4
• 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	200 600 V
- at incide delta circuit rated value	200 600 V
 at inside-delta circuit rated value 	200 000 V
• at inside-delta circuit rated value relative negative tolerance of the operating voltage	-15 %
relative negative tolerance of the operating voltage	
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at	-15 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at	-15 % 10 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit	-15 % 10 % -15 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit	-15 % 10 % -15 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative 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	-15 % 10 % -15 % 10 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative 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	-15 % 10 % -15 % 10 %
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative 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 • at 400 V at 40 °C rated value	-15 % 10 % -15 % 10 % 7.5 kW 15 kW
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage relative negative 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	-15 % 10 % -15 % 10 % 7.5 kW 15 kW

• at 500 V at inside-delta circuit at 40 °C rated value	30 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 	40.9 A
 for inside-delta circuit at rotary coding switch on switch position 10 	43 A
for inside-delta circuit at rotary coding switch on switch position 11	45 A
for inside-delta circuit at rotary coding switch on switch position 12	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
for inside-delta circuit at rotary coding switch on switch position 14 for inside-delta circuit at rotary coding switch on	51.3 A 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
 for inside-delta circuit at rotary coding switch on switch position 16 at inside-delta circuit minimum 	24.2 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	10 /v, redutive to simulicat settable ic
• 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
control supply voltage at AC	
● at 50 Hz	110 250 V
● 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
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 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	1
• at AC-15 at 250 V rated value	3 A
at AC-15 at 250 v Tated value	3 A
a at DC 12 at 24 V rated value	1 A
at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
	with vertical mounting surface +/-90° rotatable, with vertical mounting
Installation/ mounting/ dimensions mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Installation/ mounting/ dimensions mounting position fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm
Installation/ mounting/ dimensions mounting position fastening method height width	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 100 mm 0 mm 100 mm 75 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.3 kg screw-type terminals screw-type terminals
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • 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	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • 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 • for control circuit solid • for control circuit finely stranded with core end	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • 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 • for control circuit solid • for control circuit finely stranded with core end processing	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 275 mm 170 mm 152 mm 10 mm 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) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)

a the digital inputs at AC maximum tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type te		000
ightening torque for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals itightening torque (librin) for main contacts with screw-type terminals for auxiliary and control contacts with screw-type terminals installation altitude at height above seal level maximum ambient temperature during operation during storage and transport during operation according to IEC 60721 during operation according to IEC 60721 during operation according to IEC 60721 during storage according to IEC 60721 during transport according to IEC 60721 EMC emitted interference Communication Protocol communication module is supported PROFINET standard PROFINET stan	between soft starter and motor maximum	800 m
• 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 • 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 • 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 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 contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for main contacts with screw-type terminals • for 60°C? Please observe derating at temperatures of 40 °C or above • during storage and transport • dur		100 m
• 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 auxiliary and control contacts with screw-type terminals **Installation altitude at height above sea level maximum ambient temperature • during operation • 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 storage according to IEC 60721 • during thrapport according to IEC 60721 • PROFIFES transport • PROFIFES transport • PROFIFES transport • PROFIFES transport • during thrapport according to IEC 60721 • PROFIFES transport • PROFIFES transport • during thrapport according to IEC 60721 • PROFIFES transport • PROFIFES transport • during thrapport according to IEC 60721 • PROFIFES transport • during thrapport according to IEC 60721 • PROFIFES **Yes **Ye		2 2 5 N·m
terminals tightaning torque (lbf-in) • for main contacts with screw-type terminals for availing and control contacts with screw-type terminals Ambient conditions installation altitude at height above sea level maximum ambient temperature • during storage and transport • during storage and transport • during storage and transport • during storage according to IEC 60721 • during transport according to IEC 60721 • proposition module is supported • PROFINET standard • PROFINET standard • Etherherturia • of circuit breaker • usable for standard Faults at 460/480 V at inside-delta circuit according to IEC 60721 • usable for standard Faults at 57:600 V according to IEC 607221 • usable for standard Faults at 57:600 V according to IEC 607221 • usable for standard Faults at 57:600 V according to IEC 607221 • at 67:6000		
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals Ambient conditions installation attitude at height above sea level maximum ambient temperature • during poration • during poration • 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 EMC emitted interference Communication/Protocol Communication/Protocol Communication module is supported • PROFINET standard • EtherhettiP • Modbus RTU • Modbus RTU • Modbus TCP • PROFIBUS ULICSA ratings Mulcist ratings ULICSA ratings ULICSA ratings DULICSA ratings 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 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 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 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 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 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;	, , , , , , , , , , , , , , , , , , , ,	0.0 1.2 IV III
installation altitude at height above sea level maximum installation altitude at height above sea level maximum ambient temperature • during operation • during operation • during storage and transport • during operation according to IEC 60721 — 40 + 60 °C; Please observe derating at temperatures of 40 °C or above • during storage according to IEC 60721 — 3K6 (no ice formation, only occasional condensation), 3C3 (no salt missi), 3S2 (sand must not get into the devices), 3M6 (no ice formation, only occasional condensation), 3C3 (no salt missi), 3S2 (sand must not get into the devices), 3M6 (K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 (K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 (no ice formation, only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 (K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get into the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get instead the devices), 3M6 (N6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inst	tightening torque [lbf·in]	
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 transport according to IEC 60721 • Medius according to IEC 60721 • PROFINET standard • PROFINET standard • PROFIBUS * Modbus TCP • PROFIBUS * PROFIBUS * Ves	 for main contacts with screw-type terminals 	18 22 lbf·in
Ambient conditions	,	7 10.3 lbf·in
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 — 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 according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit 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 — 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 — 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 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 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 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 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 t	usable for High Faults at 460/480 V according	
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 — 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 — usable for High 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 Type: Class RK5 / K5, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 5 kA Type: Class J / L, max. 125 A; Iq = 5 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 5 kA Type: Class J / L, max. 125 A; Iq = 5 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A; Iq = 100 kA Type: Class J / L, max. 125 A;	— usable for Standard Faults at 575/600 V	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 100 A; lq = 5 kA
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 — 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 — 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 • at 460/480 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • 25 hp 		
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 • 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 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value		
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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 • at 460/480 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value • at 575/600 V at 50 °C rated value 25 hp	according to UL	
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 • at 460/480 V at 50 °C rated value • at 575/600 V at 50 °C rated value 20 hp • at 575/600 V at 50 °C rated value 25 hp		Type: Class RK5 / K5, max. 125 A; Iq = 5 kA
 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 575/600 V at 50 °C rated value 20 hp at 575/600 V at 50 °C rated value 25 hp 		Type: Class J / L, max. 125 A; Iq = 100 kA
 at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 20 hp 25 hp 		
 at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 20 hp 25 hp 	 at 200/208 V at 50 °C rated value 	·
• at 575/600 V at 50 °C rated value 25 hp		
·		
• at 200/208 V at inside-delta circuit at 50 °C rated 15 hp		
value		15 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	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 40 hp		40 hp

contact rating of auxiliary contacts according to UL

Safety related data

protection class IP on the front according to IEC
60529
touch protection on the front according to IEC 60529
electromagnetic compatibility

R300-B300

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=3RW5216-1AC15

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5216-1AC15}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC15

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5216-1AC15&lang=en

 $\textbf{Characteristic: Tripping characteristics, } \textbf{I}^{2}\textbf{t, Let-through current}$

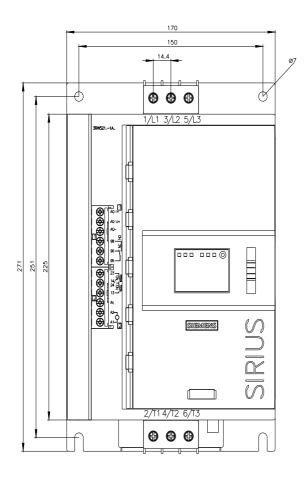
https://support.industry.siemens.com/cs/ww/en/ps/3RW5216-1AC15/char

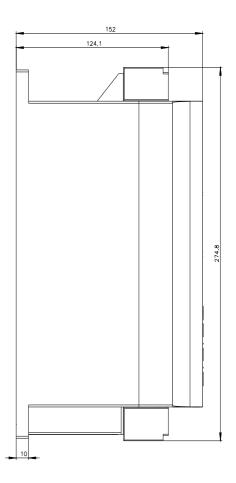
Characteristic: Installation altitude

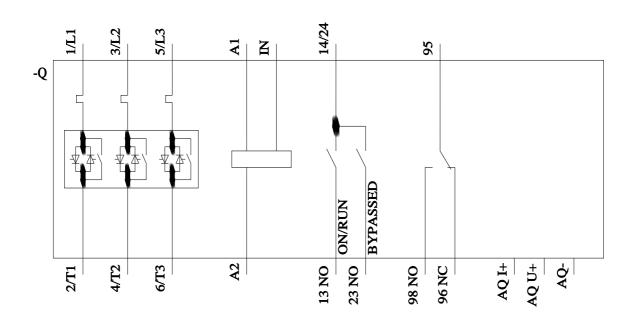
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5216-1AC15\&objecttype=14\&gridview=view1}$

Simulation Tool for Soft Starters (STS)

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







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