## **SIEMENS**

product brand name

Data sheet 3RW5214-1AC05

SIRIUS



SIRIUS soft starter 200-600 V 18 A, 24 V AC/DC Screw terminals Analog output

product brand name	Olivioo
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
of standard HMI module usable	3RW5980-0HS00
of high feature HMI module usable	3RW5980-0HF00
of communication module PROFINET standard usable	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
• of communication module Modbus TCP usable	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4DA10; Type of coordination 1, Iq = 15 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3RV2032-4EA10; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3RV2032-4EA10; Type of coordination 1, Iq = 15 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3820-6; Type of coordination 1, Iq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	3NA3820-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1802-0; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE8020-1; Type of coordination 2, Iq = 65 kA
eneral technical data	
starting voltage [%]	30 100 %
stopping voltage [%]	50 %; non-adjustable
start-up ramp time of soft starter	0 20 s
current limiting value [%] adjustable	130 700 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
number of controlled phases	
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
·	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2

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 protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	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	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
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories
• error logbook	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
<ul> <li>PROFlenergy</li> </ul>	Yes; in connection with the PROFINET Standard communication module
• firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	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	18 A
at 50 °C rated value	15.9 A
• at 60 °C rated value	13.8 A
operational current at inside-delta circuit	04.5.4
• at 40 °C rated value	31.5 A
• at 50 °C rated value	28 A
at 60 °C rated value	23.9 A
operating voltage  • rated value	200 600 V
at inside-delta circuit rated value	200 600 V 200 600 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at	-15 %
inside-delta circuit	
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	4 kW
• at 230 V at inside-delta circuit at 40 °C rated value	7.5 kW
• at 400 V at 40 °C rated value	7.5 kW
	15 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	13 KVV
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> <li>at 500 V at 40 °C rated value</li> </ul>	11 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	10 %
at rotary coding switch on switch position 1	7.5 A
at rotary coding switch on switch position 2	8.2 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	8.9 A
at rotary coding switch on switch position 4	9.6 A
at rotary coding switch on switch position 5	10.3 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	11 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	11.7 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	12.4 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	13.1 A
at rotary coding switch on switch position 10	13.8 A
at rotary coding switch on switch position 11	14.5 A
at rotary coding switch on switch position 12	15.2 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	15.9 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	16.6 A
at rotary coding switch on switch position 15	17.3 A
at rotary coding switch on switch position 16	18 A
• minimum	7.5 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	13 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	14.2 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	15.4 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	16.6 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	17.8 A
for inside-delta circuit at rotary coding switch on switch position 6	19.1 A
for inside-delta circuit at rotary coding switch on switch position 7	20.3 A
for inside-delta circuit at rotary coding switch on switch position 8	21.5 A
for inside-delta circuit at rotary coding switch on switch position 9      for inside delta circuit at rotary coding switch on switch	22.7 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 10</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	23.9 A
for inside-delta circuit at rotary coding switch on switch     for inside-delta circuit at rotary coding switch on switch	25.1 A 26.3 A
for inside-delta circuit at rotary coding switch on switch     for inside-delta circuit at rotary coding switch on switch	27.5 A
position 13  • for inside-delta circuit at rotary coding switch on switch	28.8 A
position 14  • for inside-delta circuit at rotary coding switch on switch	30 A
position 15  • for inside-delta circuit at rotary coding switch on switch	31.2 A
position 16 • at inside-delta circuit minimum	13 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	17 W
- r	
at 50 °C after startup	17 W
<ul> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> </ul>	17 W 16 W
at 60 °C after startup	
at 60 °C after startup  power loss [W] at AC at current limitation 350 %	16 W
at 60 °C after startup	

Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
	24.1/
• at 50 Hz rated value	24 V 24 V
at 60 Hz rated value  Talative regetive televance of the control cumply voltage at	
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 by closing the bypass contacts maximum	0.75 A
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
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	
at AC-15 at 250 V rated value	3 A
at DC-13 at 250 V rated value     at DC-13 at 24 V rated value	1A
Installation/ mounting/ dimensions	.,,
	±/ 10° rotation possible and can be tilted forward or backward on vertical
mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
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	2.1 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
• for control circuit	screw-type terminals
type of connectable conductor cross-sections	

polid	2v /4 0 2 5 mm²) 2v /2 5 40 mm²)
— 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)
for AWG cables for main current circuit solid	2x (16 12), 2x (14 8)
type of connectable conductor cross-sections	4 (0.5
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
for control circuit finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at AC maximum</li> </ul>	100 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	18 22 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in
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 above
during storage and transport	-40 +80 °C
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	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
Communication/ Protocol  communication module is supported	
Communication/ Protocol  communication module is supported  • PROFINET standard	Yes
communication module is supported  • PROFINET standard	
communication module is supported  • PROFINET standard  • EtherNet/IP	Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP	Yes Yes Yes
communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS	Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes
communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings  manufacturer's article number  • of circuit breaker	Yes Yes Yes Yes Yes
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	Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
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 to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
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 Standard Faults at 460/480 V at insidedelta circuit according to UL	Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
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 at inside-	Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
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 Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta	Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
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 Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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	Yes Yes Yes Yes Yes  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3VA51, max. 35 A; lq max = 65 kA
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 Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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-	Yes Yes Yes Yes Yes Yes  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3VA51, max. 36 A; lq max = 65 kA
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 Standard Faults at 460/480 V according to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta circuit according to UL	Yes Yes Yes Yes Yes Yes  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA  Siemens type: 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3VA51, max. 36 A; lq max = 65 kA
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 to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  sof the fuse  usable for Standard Faults up to 575/600 V	Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
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 Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta circuit according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  usable for Standard Faults up to 575/600 V 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	Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA
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 to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta circuit according to UL  usable for Standard Faults up to 575/600 V 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	Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA Type: Class J / L, max. 70 A; lq = 100 kA
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 Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for Standard Faults at 460/480 V at insidedelta 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 according to UL  usable for Standard Faults at 575/600 V at insidedelta circuit according to UL  of the fuse  usable for Standard Faults up to 575/600 V according to UL  usable for Standard 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	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 100 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA
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 to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta circuit according to UL  usable for Standard Faults up to 575/600 V according to UL  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	Yes Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA Type: Class RK5 / K5, max. 70 A; lq = 100 kA Type: Class RK5 / K5, max. 70 A; lq = 5 kA
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 to UL  usable for Standard Faults at 460/480 V at insidedelta circuit according to UL  usable for High Faults at 460/480 V at insidedelta 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 insidedelta 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  usable for High Faults at inside-delta circuit up to 575/600 V according to UL  pusable for High Faults at inside-delta circuit up to 575/600 V according to UL	Yes Yes Yes Yes Yes Yes Yes Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3VA51, max. 35 A; Iq max = 65 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA Type: Class RK5 / K5, max. 70 A; Iq = 100 kA Type: Class RK5 / K5, max. 70 A; Iq = 100 kA Type: Class J / L, max. 70 A; Iq = 100 kA Type: Class J / L, max. 70 A; Iq = 100 kA

<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	10 hp	
<ul> <li>at 575/600 V at 50 °C rated value</li> </ul>	10 hp	
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	7.5 hp	
• at 220/230 V at inside-delta circuit at 50 °C rated value	7.5 hp	
• at 460/480 V at inside-delta circuit at 50 °C rated value	20 hp	
• at 575/600 V at inside-delta circuit at 50 °C rated value	25 hp	
contact rating of auxiliary contacts according to UL	R300-B300	
Safety related data		
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	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

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW5214-1AC05

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5214-1AC05

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5214-1AC05

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5214-1AC05&lang=en

Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

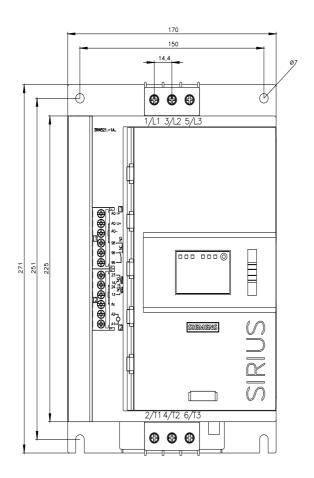
https://support.industry.siemens.com/cs/ww/en/ps/3RW5214-1AC05/char

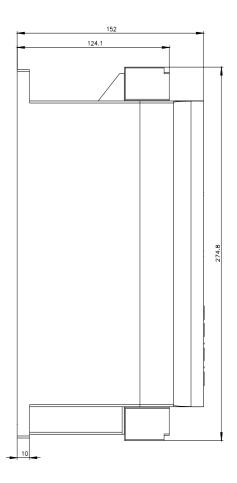
Characteristic: Installation altitude

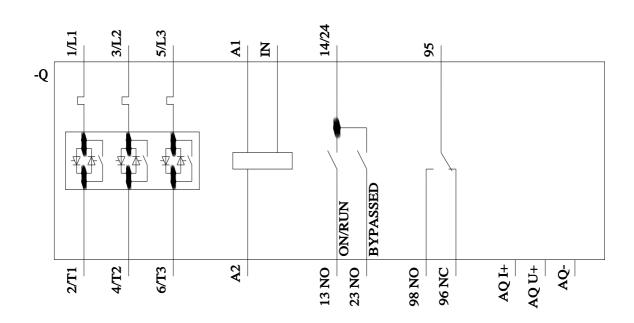
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5214-1AC05\&objecttype=14\&gridview=view1}$ 

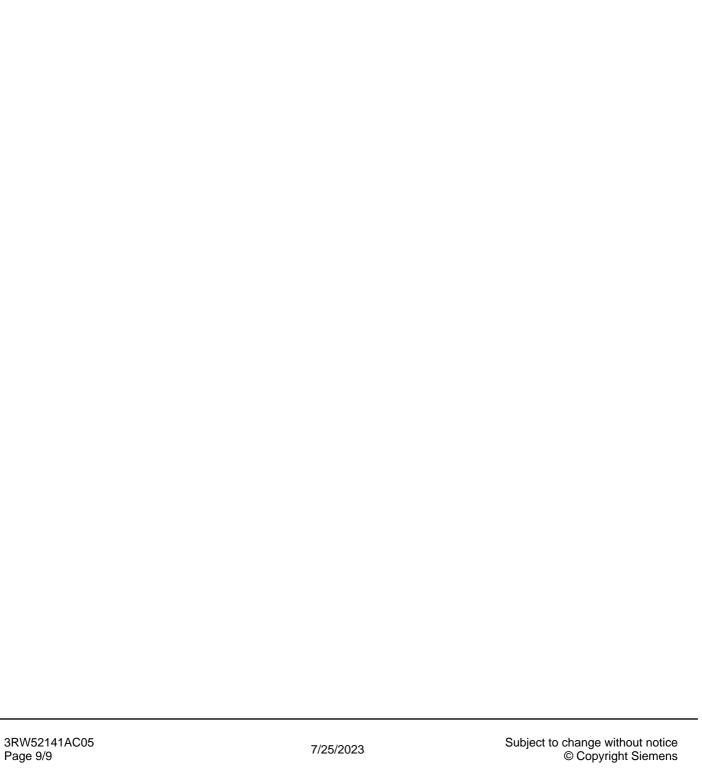
Simulation Tool for Soft Starters (STS)

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









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