## **SIEMENS**

product brand name product category

Data sheet 3RW5214-1TC14

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-480 V 18 A, 110-250 V AC Screw terminals Thermistor input

	,
product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
of high feature HMI module usable	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	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
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	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
Seneral 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
product feature integrated bypass contact system number of controlled phases	Yes 3
number of controlled phases	3
number of controlled phases trip class	3

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	O KV
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
	AC 53a
utilization category according to IEC 60947-4-2	Q Q
reference code according to IEC 81346-2	02/15/2018
Substance Prohibitance (Date)	02/13/2016
product function	Yes
• ramp-up (soft starting)	
• ramp-down (soft stop)	Yes Yes
Soft Torque	
adjustable current limitation	Yes
pump ramp down     intringia dovigo protection	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes
• auto-RESET	Yes
manual RESET	Yes
• remote reset	Yes; By turning off the control supply voltage
communication function	Yes
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
PROFlenergy	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	No
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	
• 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	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 % 
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	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
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	15 kW
On a water or five muse many 4 material scales a	50 Hz
Operating frequency 1 rated value	00112

relative negative tolerance of the operating frequency	10 % _ 10 %
relative positive tolerance of the operating frequency	10 70
adjustable motor current	754
at rotary coding switch on switch position 1	7.5 A
at rotary coding switch on switch position 2	8.2 A
at rotary coding switch on switch position 3	8.9 A
at rotary coding switch on switch position 4	9.6 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	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
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	13.8 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	14.5 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	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
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	17.3 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	18 A
minimum	7.5 A
djustable 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
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	19.1 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> </ul>	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 position 9	22.7 A
for inside-delta circuit at rotary coding switch on switch position 10	23.9 A
for inside-delta circuit at rotary coding switch on switch position 11	25.1 A
for inside-delta circuit at rotary coding switch on switch position 12     for inside delta circuit at rotary coding switch on switch	26.3 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	27.5 A 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
ninimum load [%]	15 %; Relative to smallest settable le
nower loss [W] for rated value of the current at AC	,
• at 40 °C after startup	17 W
• at 50 °C after startup	17 W
• at 60 °C after startup	17 W
	10 **
power loss [W] at AC at current limitation 350 %	276 W
• at 40 °C during startup	276 W
at 50 °C during startup     at 60 °C during startup	241 W
at 60 °C during startup ontrol circuit/ Control	200 W
TOTAL COLUMN TO THE PROPERTY OF THE PROPERTY O	

control supply voltage at AC	
● at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
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 by closing the bypass contacts maximum	0.17 A
inrush current peak at application of control supply voltage maximum	12.2 A
duration of inrush current peak at application of control supply voltage	2.2 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
·	2 normally-open contacts (NO) / 1 changeover contact (CO)
digital output version	
number of analog outputs	0
switching capacity current of the relay outputs	
140.45 10501/ 1 1 1	
• at AC-15 at 250 V rated value	3 A
• at DC-13 at 24 V rated value	3 A 1 A
• at DC-13 at 24 V rated value Installation/ mounting/ dimensions	1 A
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position	1 A  +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions	1 A  +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position	1 A  +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method	1 A  +/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing  275 mm  170 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing  275 mm  170 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting     forwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting     forwards     backwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 0 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting     forwards     backwards     upwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards upwards downwards downwards	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards upwards downwards at the side	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
at DC-13 at 24 V rated value  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	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
at DC-13 at 24 V rated value  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	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm 10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
at DC-13 at 24 V rated value  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  wire length for thermistor connection  with conductor cross-section = 0.5 mm² maximum	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side  weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit  wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side  weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit  wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth required spacing with side-by-side mounting  forwards backwards backwards upwards downwards at the side weight without packaging  Connections/ Terminals  type of electrical connection for main current circuit for control circuit  wire length for thermistor connection with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 2.5 mm² maximum with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals  50 m 150 m 250 m
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals  50 m 150 m 250 m  2x (1.0 2.5 mm²), 2x (2.5 10 mm²) 2x (1.0 2.5 mm²), 2x (2.5 6.0 mm²)
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions  mounting position  fastening method height width depth  required spacing with side-by-side mounting	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface screw fixing 275 mm 170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals  50 m 150 m 250 m

<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	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
at the digital inputs at AC maximum	100 m
tightening torque	
for main contacts with screw-type terminals	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]	
for main contacts with screw-type terminals	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 operation     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  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
during storage according to IEC 60721      during transport according to IEC 60721	inside the devices), 1M4
during transport according to IEC 60721  FMC amiltod interference.	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
<ul><li>Modbus RTU</li><li>Modbus TCP</li></ul>	Yes Yes
Modbus TCP	Yes
Modbus TCP     PROFIBUS	Yes
Modbus TCP     PROFIBUS  UL/CSA ratings	Yes
Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes
Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker  — usable for Standard Faults at 460/480 V according	Yes Yes
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 Siemens type: 3RV2742, max. 60 A or 3VA51, max. 60 A; lq = 5 kA
Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker	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
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	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
Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker	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
Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker	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: 3VA51, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA
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 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 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: 3VA51, max. 60 A or 3VA51, max. 60 A; Iq = 5 kA
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	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
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 High Faults up to 575/600 V according to	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  Type: Class RK5 / K5, max. 70 A; Iq = 5 kA
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	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  Type: Class RK5 / K5, max. 70 A; Iq = 5 kA  Type: Class J / L, max. 70 A; Iq = 100 kA
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 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  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  Type: Class RK5 / K5, max. 70 A; Iq = 5 kA  Type: Class RK5 / K5, max. 70 A; Iq = 100 kA  Type: Class RK5 / K5, max. 70 A; Iq = 5 kA
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 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	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 = 5 kA  Type: Class J / L, max. 70 A; Iq = 100 kA  Type: Class J / L, max. 70 A; Iq = 100 kA
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 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	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 = 5 kA  Type: Class RK5 / K5, max. 70 A; Iq = 100 kA  Type: Class J / L, max. 70 A; Iq = 100 kA  3 hp
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  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	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  Type: Class RK5 / K5, max. 70 A; lq = 5 kA  Type: Class RK5 / K5, max. 70 A; lq = 100 kA  Type: Class RK5 / K5, max. 70 A; lq = 5 kA  Type: Class J / L, max. 70 A; lq = 100 kA  Type: Class J / L, max. 70 A; lq = 100 kA
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 insidedelta circuit up to 575/600 V according to UL  usable for High Faults at insidedelta 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 460/480 V at 50 °C rated value  at 460/480 V at 50 °C rated value	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  Type: Class RK5 / K5, max. 70 A; lq = 5 kA  Type: Class J / L, max. 70 A; lq = 100 kA  Type: Class J / L, max. 70 A; lq = 100 kA  3 hp 5 hp 10 hp
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 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 High Faults 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 460/480 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value	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  Type: Class RK5 / K5, max. 70 A; Iq = 100 kA  Type: Class SJ/L, max. 70 A; Iq = 100 kA  Type: Class J/L, max. 70 A; Iq = 100 kA  3 hp 5 hp 10 hp 7.5 hp
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 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 at insidedelta circuit 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  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 200/208 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value  at 220/230 V at inside-delta circuit at 50 °C rated value	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  Type: Class RK5 / K5, max. 70 A; lq = 5 kA  Type: Class RK5 / K5, max. 70 A; lq = 100 kA  Type: Class RK5 / K5, max. 70 A; lq = 100 kA  Type: Class J / L, max. 70 A; lq = 100 kA  3 hp 5 hp 10 hp 7.5 hp 7.5 hp
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 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 High Faults 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 460/480 V at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value  at 200/208 V at inside-delta circuit at 50 °C rated value	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  Type: Class RK5 / K5, max. 70 A; lq = 100 kA  Type: Class J / L, max. 70 A; lq = 100 kA  Type: Class J / L, max. 70 A; lq = 100 kA  3 hp 5 hp 10 hp 7.5 hp

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		

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=3RW5214-1TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5214-1TC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5214-1TC14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5214-1TC14&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RW5214-1TC14/char

Characteristic: Installation altitude

 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5214-1TC14\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







