## **SIEMENS**

product brand name

Data sheet 3RW5213-1TC14

SIRIUS



SIRIUS soft starter 200-480 V 13 A, 110-250 V AC Screw terminals Thermistor input

product brand name	Silvios
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
<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>	3RV2032-4TA10; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3RV2032-4TA10; Type of coordination 1, Iq = 18 kA, CLASS 10
• of circuit breaker usable at 400 V at inside-delta circuit	3RV2032-4DA10; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3RV2032-4DA10; Type of coordination 1, Iq = 18 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>	3NE1815-0; 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>	3NE8017-1; 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
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes
	. 50
product feature integrated bypass contact system	Yes
<u> </u>	
product feature integrated bypass contact system	Yes
product feature integrated bypass contact system number of controlled phases	Yes 3
product feature integrated bypass contact system number of controlled phases trip class	Yes 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	UKV
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 reference code according to IEC 81346-2	Q Q
Substance Prohibitance (Date)	02/15/2018
	02/13/2016
product function	Yes
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	
Soft Torque     adjustable current limitation	Yes Yes
adjustable current limitation	
pump ramp down     intrinsic device protection	Yes
intrinsic device protection     motor everload 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
operating measured value display	Yes; Only in conjunction with special accessories
• error logbook	Yes; Only in conjunction with special accessories
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
firmware update	Yes
<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	13 A
• at 50 °C rated value	11.5 A
at 60 °C rated value	10.5 A
operational current at inside-delta circuit	
• at 40 °C rated value	22.5 A
• at 50 °C rated value	19.9 A
• at 60 °C rated value	18.2 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	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	3 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	5.5 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	5.5 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	11 kW
	50 Hz
Operating frequency 1 rated value	30112

relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency	10 % _ 10 %
	10 /0
adjustable motor current	554
at rotary coding switch on switch position 1	5.5 A
at rotary coding switch on switch position 2	6 A
at rotary coding switch on switch position 3	6.5 A
at rotary coding switch on switch position 4	7 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	7.5 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	8 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	8.5 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	9 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	9.5 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	10 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	10.5 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	11 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	11.5 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	12 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	12.5 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	13 A
minimum	5.5 A
djustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	9.5 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	10.4 A
for inside-delta circuit at rotary coding switch on switch position 3	11.3 A
for inside-delta circuit at rotary coding switch on switch position 4      for inside delta circuit at rotary coding switch on switch position 4	12.1 A
for inside-delta circuit at rotary coding switch on switch position 5      for inside delta circuit at rotary coding switch on switch and switch on switch and switch on switch are switch.	13 A 13.9 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	13.9 A
position 7  • for inside-delta circuit at rotary coding switch on switch	15.6 A
position 8 • for inside-delta circuit at rotary coding switch on switch	16.5 A
position 9 • for inside-delta circuit at rotary coding switch on switch	17.3 A
position 10 • for inside-delta circuit at rotary coding switch on switch	18.2 A
position 11 • for inside-delta circuit at rotary coding switch on switch	19.1 A
<ul><li>position 12</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	19.9 A
for inside-delta circuit at rotary coding switch on switch	20.8 A
<ul> <li>position 14</li> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	21.7 A
for inside-delta circuit at rotary coding switch on switch position 16	22.5 A
at inside-delta circuit minimum	9.5 A
ninimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	,
• at 40 °C after startup	16 W
at 50 °C after startup	15 W
at 60 °C after startup     at 60 °C after startup	15 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	210 W
at 50 °C during startup     at 60 °C during startup	178 W
at 60 °C during startup	161 W
ontrol circuit/ Control	

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
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	0
switching capacity current of the relay outputs	
• at AC-15 at 250 V rated value	3 A
at DC-13 at 24 V rated value	1 A
Installation/ mounting/ dimensions	
mounting position	+/- 10° rotation possible and can be tilted forward or backward on vertical mounting surface
fastening method	screw fixing
	075
height	275 mm
height width	275 mm 170 mm
width	170 mm
width depth	170 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm
width depth required spacing with side-by-side mounting • forwards	170 mm 152 mm 10 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm 10 mm 0 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm  10 mm 0 mm 100 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
width depth required spacing with side-by-side mounting	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm
width  depth  required spacing with side-by-side mounting  • forwards  • backwards  • upwards  • downwards  • at the side  weight without packaging  Connections/ Terminals	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
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	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
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	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg
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	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
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	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
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  • with conductor cross-section = 1.5 mm² maximum	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
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  • with conductor cross-section = 2.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
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  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  type of connectable conductor cross-sections	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals
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  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  • with conductor cross-sections  • for main contacts	170 mm 152 mm  10 mm 0 mm 100 mm 75 mm 5 mm 2.1 kg  screw-type terminals screw-type terminals 150 m 150 m 250 m
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  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  type of connectable conductor cross-sections  • for main contacts  — solid	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
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  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  type of connectable conductor cross-sections  • for main contacts  — solid  — finely stranded with core end processing	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)
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  • with conductor cross-section = 1.5 mm² maximum  • with conductor cross-section = 2.5 mm² maximum  type of connectable conductor cross-sections  • for main contacts  — solid	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)
<ul> <li>for AWG cables for control circuit solid</li> </ul>	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
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	
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
during storage according to IEC 60721	(sand must not get into the devices), 3M6  1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get
	inside the devices), 1M4
during transport according to IEC 60721  FIG. and interferences.	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
<ul> <li>Modbus RTU</li> </ul>	Yes
Modbus TCP	Yes
Modbus TCP     PROFIBUS	Yes Yes
• PROFIBUS	
PROFIBUS  UL/CSA ratings	
PROFIBUS  UL/CSA ratings  manufacturer's article number	
PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker  — usable for Standard Faults at 460/480 V according	Yes
PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V according to UL	Yes  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
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 inside-	Yes  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA
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 inside-delta	Yes  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA
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 inside-delta circuit according to UL  usable for Standard Faults at 575/600 V according	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA
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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA
<ul> <li>▶ PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 5 kA
<ul> <li>▶ PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Type: Class RK5 / K5, max. 50 A; lq = 5 kA  Type: Class J / L, max. 50 A; lq = 100 kA
● 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  — 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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 100 kA  Type: Class RK5 / K5, max. 50 A; Iq = 5 kA
● 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  — 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 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  — operating power [hp] for 3-phase motors	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Type: Class RK5 / K5, max. 50 A; lq = 100 kA  Type: Class RK5 / K5, max. 50 A; lq = 100 kA  Type: Class J / L, max. 50 A; lq = 100 kA
<ul> <li>▶ PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>Operating power [hp] for 3-phase motors</li> <li>• at 200/208 V at 50 °C rated value</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA Type: Class RK5 / K5, max. 50 A; lq = 100 kA Type: Class RK5 / K5, max. 50 A; lq = 100 kA Type: Class J / L, max. 50 A; lq = 100 kA
● 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  — 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  — 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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 100 kA  Type: Class RK5 / K5, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  2 hp 3 hp
<ul> <li>▶ PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>• of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>— usable for High Faults at 460/480 V according to UL</li> <li>— usable for Standard Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for High Faults at 460/480 V at insidedelta circuit according to UL</li> <li>— usable for Standard Faults at 575/600 V according to UL</li> <li>— usable for Standard Faults at 575/600 V at insidedelta circuit according to UL</li> <li>• of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> <li>Operating power [hp] for 3-phase motors</li> <li>• at 200/208 V at 50 °C rated value</li> <li>• at 460/480 V at 50 °C rated value</li> <li>• at 460/480 V at 50 °C rated value</li> </ul>	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 5 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  2 hp 3 hp 7.5 hp
● 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 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  — 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  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  ■ at 200/208 V at inside-delta circuit at 50 °C rated value	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  2 hp 3 hp 7.5 hp 5 hp
● 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  — 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  — 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  • at 220/230 V at inside-delta circuit at 50 °C rated value	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; lq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; lq = 5 kA  Type: Class RK5 / K5, max. 50 A; lq = 5 kA  Type: Class J / L, max. 50 A; lq = 100 kA  Type: Class J / L, max. 50 A; lq = 100 kA  2 hp 3 hp 7.5 hp 5 hp 5 hp
● 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 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  — 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 Tandard Faults at inside-delta circuit up to 575/600 V according to UL  — usable for Tandard 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	Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 30 A or 3VA51, max. 35 A; Iq max = 65 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Siemens type: 3RV2742, max. 40 A or 3VA51, max. 40 A; Iq = 5 kA  Type: Class RK5 / K5, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  Type: Class J / L, max. 50 A; Iq = 100 kA  2 hp 3 hp 7.5 hp 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=3RW5213-1TC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5213-1TC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5213-1TC14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

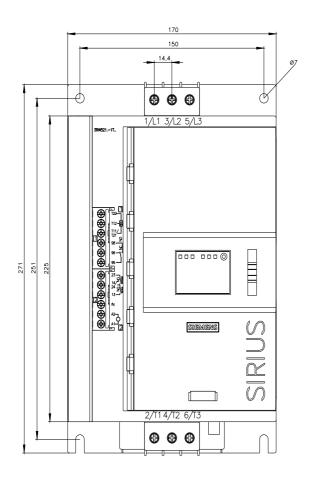
https://support.industry.siemens.com/cs/ww/en/ps/3RW5213-1TC14/char

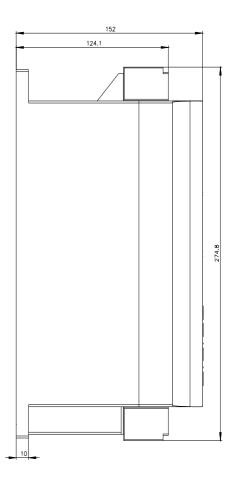
Characteristic: Installation altitude

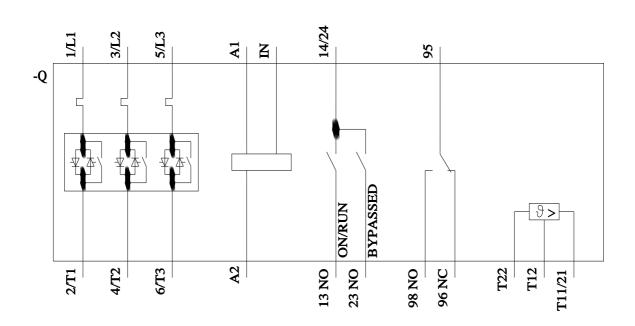
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5213-1TC14\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







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## **Mouser Electronics**

**Authorized Distributor** 

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Siemens:

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