## **SIEMENS**

product brand name

product category

Data sheet 3RW5235-6AC14

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-480 V 143 A, 110-250 V AC Screw terminals Analog output





product designation	Soft starter
product type designation	3RW52
manufacturer's article number	
<ul> <li>of standard HMI module usable</li> </ul>	3RW5980-0HS00
<ul> <li>of high feature HMI module usable</li> </ul>	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>	3VA2220-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2325-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; Type of coordination 1, Iq = 65 kA
• of the gG fuse usable at inside-delta circuit up to 500 V	3NA3244-6; 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>	3NE1227-0; 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>	3NE3334-0B; 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
<ul> <li>CSA approval</li> </ul>	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
buffering time in the event of newer feiture	
buffering time in the event of power failure	
• for main current circuit	100 ms

insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/15/2018
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4
product function	
• ramp-up (soft starting)	Yes
<ul><li>ramp-down (soft stop)</li></ul>	Yes
Soft Torque	Yes
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	Yes
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No
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
via software parameterizable	No
via software configurable	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard communication module
• firmware update	Yes
removable terminal for control circuit	Yes
• torque control	No
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
Power Electronics	
operational current  • at 40 °C rated value	143 A
• at 50 °C rated value	128 A
at 50 °C rated value      at 60 °C rated value	118 A
operational current at inside-delta circuit	
• at 40 °C rated value	248 A
at 50 °C rated value	222 A
at 60 °C rated value      at 60 °C rated value	204 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	37 kW
at 230 V at inside-delta circuit at 40 °C rated value	75 kW
at 400 V at 40 °C rated value	75 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	132 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 70
at rotary coding switch on switch position 1	68 A
at rotary coding switch on switch position 2	73 A
at rotary coding switch on switch position 3	78 A
at rotary coding switch on switch position 4	83 A
at rotary coding switch on switch position 5	88 A
at rotary coding switch on switch position 6	93 A
at rotary coding switch on switch position 7	98 A
at rotary coding switch on switch position 8	103 A
at rotary coding switch on switch position 9	108 A
at rotary coding switch on switch position 10	113 A
at rotary coding switch on switch position 11	118 A
at rotary coding switch on switch position 12	123 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 13	128 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 14	133 A
at rotary coding switch on switch position 14     at rotary coding switch on switch position 15	133 A 138 A
at rotary coding switch on switch position 16     at rotary coding switch on switch position 16	143 A
at rotary coding switch on switch position 16     minimum	68 A
adjustable motor current	00 A
for inside-delta circuit at rotary coding switch on switch position 1	118 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 2</li> </ul>	126 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 3</li> </ul>	135 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 4</li> </ul>	144 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 5</li> </ul>	152 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 6</li> </ul>	161 A
for inside-delta circuit at rotary coding switch on switch position 7      for inside delta circuit at rotary coding switch on swit	170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 8</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	178 A 187 A
position 9  • for inside-delta circuit at rotary coding switch on switch	196 A
position 10 • for inside-delta circuit at rotary coding switch on switch	204 A
<ul><li>position 11</li><li>for inside-delta circuit at rotary coding switch on switch</li></ul>	213 A
<ul> <li>position 12</li> <li>for inside-delta circuit at rotary coding switch on switch position 13</li> </ul>	222 A
for inside-delta circuit at rotary coding switch on switch position 14	230 A
for inside-delta circuit at rotary coding switch on switch position 15	239 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 16</li> </ul>	248 A
at inside-delta circuit minimum	118 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	55 W
at 50 °C after startup	50 W
at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	2 127 W
<ul> <li>at 40 °C during startup</li> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> </ul>	2 127 W 1 807 W 1 605 W

Control circuit/ Control  type of voltage of the control supply voltage	AC
control supply voltage at AC	,,,
• at 50 Hz	110 250 V
• at 60 Hz	110 250 V
relative negative tolerance of the control supply 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	2.5 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
nputs/ 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	
<ul> <li>at AC-15 at 250 V rated value</li> </ul>	3 A
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	1 A
nstallation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	306 mm
width	185 mm
depth	203 mm
required spacing with side-by-side mounting	
• forwards	10 mm
<ul><li>backwards</li></ul>	0 mm
• upwards	100 mm
<ul><li>downwards</li></ul>	75 mm
• at the side	5 mm
weight without packaging	6.6 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
for control circuit	screw-type terminals
	25 mm
width of connection bar maximum	
width of connection bar maximum	2x (16 95 mm²)
width of connection bar maximum type of connectable conductor cross-sections	2x (16 95 mm²) 2x (25 120 mm²)
width of connection bar maximum  type of connectable conductor cross-sections  • for DIN cable lug for main contacts stranded	
width of connection bar maximum  type of connectable conductor cross-sections  • for DIN cable lug for main contacts stranded  • for DIN cable lug for main contacts finely stranded	
width of connection bar maximum  type of connectable conductor cross-sections  of or DIN cable lug for main contacts stranded  for DIN cable lug for main contacts finely stranded  type of connectable conductor cross-sections	2x (25 120 mm²)

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	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	10 14 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>	89 124 lbf-in
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf·in
terminals	
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	
<ul> <li>during operation according to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage according to IEC 60721</li> </ul>	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)
Environmental footprint	
Siemens Eco Profile (SEP)	Siemens EcoTech
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
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
manulacturer 5 article Hulliber	
of circuit breaker usable for Standard Faults	Siemens type: 3VA52. max. 250 A: Ig = 10 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
<ul> <li>of circuit breaker usable for Standard Faults</li> <li>— at 460/480 V according to UL</li> <li>— 60/480 V according to UL</li> </ul>	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL     — 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL     — 60/480 V at inside-delta circuit according to UL     — at 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL     — 60/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta circuit according to UL         — of the fuse         — usable for Standard Faults up to 575/600 V	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL     — 60/480 V at inside-delta circuit according to UL     — at 575/600 V according to UL     — at 575/600 V at inside-delta circuit according to UL     of the fuse     — usable for Standard Faults up to 575/600 V according to UL     — usable for High Faults up to 575/600 V according to	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA
of circuit breaker usable for Standard Faults     — at 460/480 V according to UL     — 60/480 V according to UL     — at 460/480 V at inside-delta circuit according to UL     — 60/480 V at inside-delta circuit according to UL     — at 575/600 V according to UL     — at 575/600 V at inside-delta circuit according to UL     of the fuse     — usable for Standard Faults up to 575/600 V according to UL     — usable for High Faults up to 575/600 V according to UL     — usable for Standard Faults at inside-delta circuit up	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — usable for High Faults at inside-delta circuit up to	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta circuit according to UL         — of the fuse         — usable for Standard Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL         — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V at inside-delta circuit according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta circuit according to UL         — at 575/600 V at inside-delta 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         — 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	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 100 kA Type: Class J / L, max. 350 A; Iq = 100 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp 75 hp
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V at inside-delta circuit according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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 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	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp 75 hp 75 hp
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V at inside-delta circuit according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta circuit according to UL         — at 575/600 V at inside-delta 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         — 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 220/230 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp 75 hp 75 hp 150 hp
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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 200/208 V at 50 °C rated value         at 460/480 V at inside-delta circuit at 50 °C rated value         at 220/230 V at inside-delta circuit at 50 °C rated value         at 460/480 V at inside-delta circuit at 50 °C rated value         at 460/480 V at inside-delta circuit at 50 °C rated value         at 460/480 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  40 hp 40 hp 100 hp 75 hp 75 hp
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of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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 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         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Iype: Class J / L, max. 350 A; Iq = 100 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V at inside-delta circuit according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta circuit according to UL         — at 575/600 V at inside-delta 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 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 260/250 V at inside-delta circuit at 50 °C rated value         • at 260/250 V at inside-delta circuit at 50 °C rated value         • at 260/250 V at inside-delta circuit at 50 °C rated value         • at 260/250 V at inside-delta circuit at 50 °C rated value         • at 260/250 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class J / L, max. 350 A; Iq = 100 kA Type: Class RK5 / K5, max. 350 A; Iq = 100 kA Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA
of circuit breaker usable for Standard Faults         — at 460/480 V according to UL         — 60/480 V according to UL         — at 460/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — 60/480 V at inside-delta circuit according to UL         — at 575/600 V according to UL         — at 575/600 V at inside-delta 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         — 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 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         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value         • at 460/480 V at inside-delta circuit at 50 °C rated value	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq = 10 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class RK5 / K5, max. 350 A; Iq = 10 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA  Iype: Class J / L, max. 350 A; Iq = 100 kA

Confirmation











EMV

**Test Certificates** 

Marine / Shipping



<u>KC</u>

Type Test Certificates/Test Report







Marine / Shipping

othor

Environment



Confirmation





Environmental Confirmations

## Further information

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=3RW5235-6AC14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5235-6AC14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6AC14

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5235-6AC14\&lang=en}}$ 

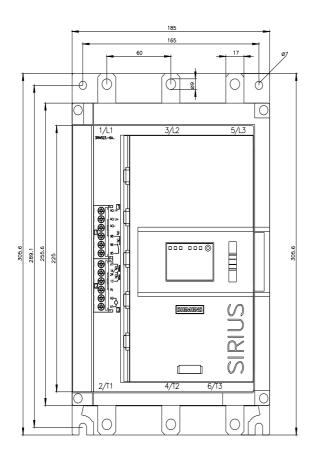
Characteristic: Tripping characteristics, I2t, Let-through current

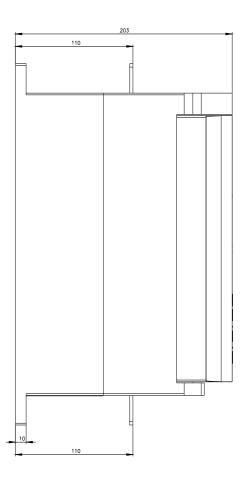
https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6AC14/char

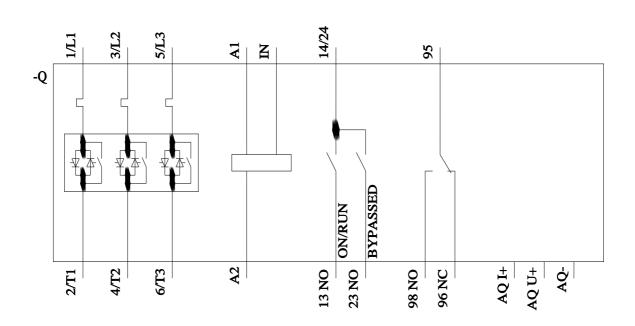
Characteristic: Installation altitude

Simulation Tool for Soft Starters (STS)

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







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