## **SIEMENS**

Data sheet 3RW5235-6AC04

SIRIUS



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Screw terminals Analog output





product branching	011100
product category	Hybrid switching devices
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
• of circuit breaker usable at 400 V at inside-delta circuit	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
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	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
CSA approval	Yes
product component	
HMI-High Feature	No
<ul> <li>is supported HMI-Standard</li> </ul>	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
product reature integrated bypass contact system	
number of controlled phases	3
	3
number of controlled phases	3 100 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
• ramp-down (soft stop)	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
• error logbook	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	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	440.4
• at 40 °C rated value	143 A
• at 50 °C rated value	128 A
at 60 °C rated value	118 A
<ul> <li>operational current at inside-delta circuit</li> <li>at 40 °C rated value</li> </ul>	248 A
at 40 Crated value     at 50 °C rated value	248 A 222 A
at 50 °C rated value     at 60 °C rated value	204 A
operating voltage	207 /
• 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
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	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	128 A
at rotary coding switch on switch position 14	133 A
at rotary coding switch on switch position 15	138 A
at rotary coding switch on switch position 16	143 A
• minimum	68 A
adjustable motor current	
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 1</li> </ul>	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
for inside-delta circuit at rotary coding switch on switch position 5	152 A
for inside-delta circuit at rotary coding switch on switch position 6     for inside delta circuit at rotary coding switch on switch position.	161 A 170 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 7</li> <li>for inside-delta circuit at rotary coding switch on switch</li> </ul>	178 A
position 8  • for inside-delta circuit at rotary coding switch on switch	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
position 11  • for inside-delta circuit at rotary coding switch on switch position 12	213 A
for inside-delta circuit at rotary coding switch on switch position 13	222 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 14</li> </ul>	230 A
<ul> <li>for inside-delta circuit at rotary coding switch on switch position 15</li> </ul>	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	EE W
at 40 °C after startup      at 50 °C after startup	55 W
at 50 °C after startup  at 60 °C after startup	50 W
• at 60 °C after startup	47 W
power loss [W] at AC at current limitation 350 %	2 127 W
<ul><li>at 40 °C during startup</li><li>at 50 °C during startup</li></ul>	1 807 W
at 60 °C during startup      at 60 °C during startup	1 605 W

Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
	24.\/
• at 50 Hz rated value	24 V
at 60 Hz rated value	24 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 60 Hz	-20 %
relative positive tolerance of the control supply voltage at AC at 60 Hz	20 %
control supply voltage frequency	50 60 Hz
relative negative tolerance of the control supply voltage frequency	-10 %
relative positive tolerance of the control supply voltage frequency	10 %
control supply voltage at DC	
• rated value	24 V
relative negative tolerance of the control supply voltage at DC	-20 %
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	380 mA
inrush current by closing the bypass contacts maximum	7.6 A
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 ms
design of the overvoltage protection	Varistor
design of short-circuit protection for control circuit	4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply
Inputs/ Outputs	
number of digital inputs	1
number of digital outputs	3
not parameterizable	2
digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)
	1
number of analog outputs switching capacity current of the relay outputs	'
	2 /
at AC-15 at 250 V rated value     at DC 13 at 24 V rated value	3 A
at DC-13 at 24 V rated value	1 A
Installation/ 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
• downwards	75 mm
at the side	5 mm
weight without packaging	6.6 kg
Connections/ Terminals	
type of electrical connection	
	busbar connection
<ul> <li>for main current circuit</li> </ul>	
for main current circuit     for control circuit	screw-type terminals

for DIN cable lug for main contacts stranded	2x (16 95 mm²)
for DIN cable lug for main contacts finely stranded	2x (25 120 mm²)
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
for control circuit finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	(202), 2 (20)
between soft starter and motor maximum	800 m
at the digital inputs at AC maximum	100 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
for main contacts with screw-type terminals	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]	
for main contacts with screw-type terminals	89 124 lbf·in
for auxiliary and control contacts with screw-type	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 operation     during storage and transport	-40 +80 °C
environmental category	· · · · · · · · · · · · · · · · · · ·
	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2
during operation according to IEC 60721	(sand must not get into the devices), 3M6
during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
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	
communication module is supported  • PROFINET standard	Yes
PROFINET standard	Yes
PROFINET standard  EtherNet/IP	Yes
<ul><li>PROFINET standard</li><li>EtherNet/IP</li><li>Modbus RTU</li></ul>	Yes Yes
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> </ul>	Yes Yes Yes
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	Yes Yes
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings	Yes Yes Yes
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	Yes Yes Yes
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings	Yes Yes Yes
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults	Yes Yes Yes Yes Yes
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; Iq = 10 kA
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V according to UL	Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; Iq = 10 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  60/480 V according to UL  at 460/480 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes Yes  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
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 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	Yes Yes Yes Yes Yes  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 max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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	Yes Yes Yes Yes Yes Yes  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 max = 65 kA
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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  at 575/600 V at inside-delta circuit 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  at 575/600 V at inside-delta circuit according to UL	Yes Yes Yes Yes Yes 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 max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
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PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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  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	Yes Yes Yes Yes Yes Yes  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 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
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PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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	Yes Yes Yes Yes Yes Yes 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 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 RK5 / K5, max. 350 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 J / L, max. 350 A; Iq = 100 kA
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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 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	Yes Yes Yes Yes Yes  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 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 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
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  — at 460/480 V according to UL  — 60/480 V at inside-delta circuit according to UL  — at 460/480 V at inside-delta circuit according to UL  — at 575/600 V 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 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes  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 max = 65 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  40 hp 40 hp 100 hp
PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker usable for Standard Faults  at 460/480 V according to UL  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 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	Yes Yes Yes Yes Yes  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 max = 65 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 J / L, max. 350 A; Iq = 100 kA  Type: Class J / L, max. 350 A; Iq = 100 kA

150 hp • at 460/480 V at inside-delta circuit at 50 °C rated value R300-B300 contact rating of auxiliary contacts according to UL **Electrical Safety** protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover **Approvals Certificates** 

**General Product Approval** 

Confirmation











EMV

**Test Certificates** 

Marine / Shipping



<u>KC</u>

Type Test Certificates/Test Report







Marine / Shipping

other

**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=3RW5235-6AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5235-6AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6AC04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5

Characteristic: Tripping characteristics, I2t, Let-through current

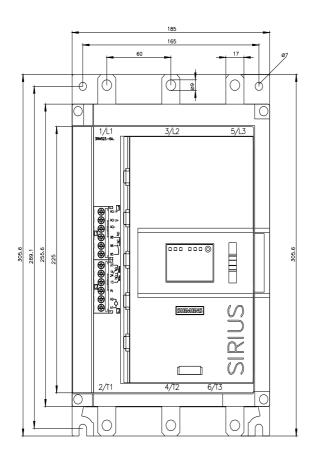
https://support.industry.siemens.com/cs/ww/en/ps/3RW5235-6AC04/char

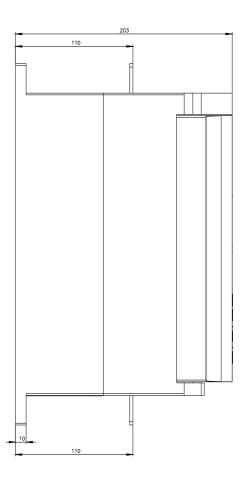
Characteristic: Installation altitude

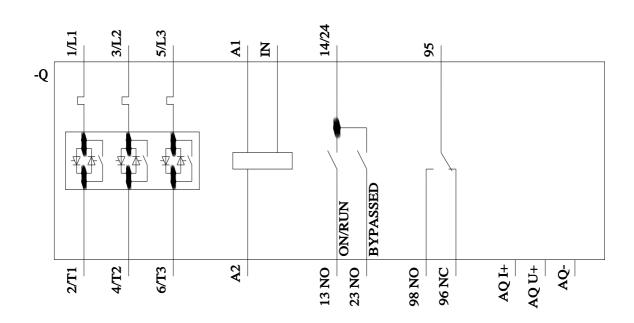
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5235-6AC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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