## SIEMENS

## Data sheet

## 3RW5534-6HA04



SIRIUS soft starter 200-480 V 113 A, 24 V AC/DC Screw terminals

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	3RW55			
manufacturer's article number				
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>			
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>			
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>			
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>			
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>			
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>			
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>			
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	<u>3VA2220-7MN32-0AA0: Type of coordination 1. Iq = 65 kA. CLASS 10</u>			
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	<u>3NA3244-6; Type of coordination 1, Iq = 65 kA</u>			
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	<u>3NA3244-6; Type of coordination 1, Iq = 65 kA</u>			
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1225-0; Type of coordination 2, Iq = 65 kA</u>			
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE3231: Type of coordination 2. Iq = 65 kA</u>			
General technical data				
starting voltage [%]	20 100 %			
stopping voltage [%]	50 50 %			
start-up ramp time of soft starter	0 360 s			
ramp-down time of soft starter	0 360 s			
start torque [%]	10 100 %			
stopping torque [%]	10 100 %			
torque limitation [%]	20 200 %			
current limiting value [%] adjustable	125 800 %			
breakaway voltage [%] adjustable	40 100 %			
breakaway time adjustable	0 2 s			
number of parameter sets	3			
accuracy class acc. to IEC 61557-12	5 %			
certificate of suitability				
CE marking	Yes			

	Voo				
• UL approval	Yes				
CSA approval	Yes				
product component	Mar.				
• HMI-High Feature	Yes				
is supported HMI-High Feature	Yes				
product feature integrated bypass contact system	Yes				
number of controlled phases	3 CLASS 104 / 105 (default) / 205 / 205; and to ISC 60047 4 2				
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2				
current unbalance limiting value [%]					
ground-fault monitoring limiting value [%]	10 95 %				
recovery time after overload trip adjustable	60 1 800 s				
buffering time in the event of power failure	100				
• for main current circuit	100 ms				
for control circuit	100 ms				
idle time adjustable	0 255 s				
insulation voltage rated value	480 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	1.15				
surge voltage resistance rated value	6 kV				
maximum permissible voltage for safe isolation					
<ul> <li>between main and auxiliary circuit</li> </ul>	480 V; does not apply for thermistor connection				
utilization category acc. to IEC 60947-4-2	AC 53a				
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting				
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz				
reference code acc. to IEC 81346-2	Q				
Substance Prohibitance (Date)	15.02.2018 00:00:00				
product function					
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes				
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes				
<ul> <li>breakaway pulse</li> </ul>	Yes				
<ul> <li>adjustable current limitation</li> </ul>	Yes				
<ul> <li>creep speed in both directions of rotation</li> </ul>	Yes				
<ul> <li>pump ramp down</li> </ul>	Yes				
DC braking	Yes				
<ul> <li>motor heating</li> </ul>	Yes				
<ul> <li>slave pointer function</li> </ul>	Yes				
trace function	Yes				
<ul> <li>intrinsic device protection</li> </ul>	Yes				
<ul> <li>motor overload protection</li> </ul>	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.				
<ul> <li>evaluation of thermistor motor protection</li> </ul>	Yes; Type A PTC or Klixon / Thermoclick				
<ul> <li>inside-delta circuit</li> </ul>	Yes				
auto-RESET	Yes				
manual RESET	Yes				
remote reset	Yes				
<ul> <li>communication function</li> </ul>	Yes				
<ul> <li>operating measured value display</li> </ul>	Yes				
event list	Yes				
error logbook	Yes				
<ul> <li>via software parameterizable</li> </ul>	Yes				
<ul> <li>via software configurable</li> </ul>	Yes				
screw terminal	Yes				
spring-type terminal	No				
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-				
	Feature communication modules				

• at 60 °C during startup     type of the motor protection     Control circuit/ Control     type of voltage of the control supply voltage     control supply voltage at AC     • at 50 Hz rated value     • at 60 Hz rated value     relative negative tolerance of the control supply	1 074 W Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V 24 V -20 %				
at 60 °C during startup      type of the motor protection      Control circuit/ Control      type of voltage of the control supply voltage      control supply voltage at AC          • at 50 Hz rated value	Electronic, tripping in the event of thermal overload of the motor AC/DC 24 V				
at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	Electronic, tripping in the event of thermal overload of the motor AC/DC				
at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage	Electronic, tripping in the event of thermal overload of the motor				
at 60 °C during startup  type of the motor protection  Control circuit/ Control	Electronic, tripping in the event of thermal overload of the motor				
• at 60 °C during startup type of the motor protection					
• at 60 °C during startup					
• at 60 °C during startup	1 074 W				
	4 074 \4				
<ul> <li>at 50 °C during startup</li> </ul>	1 279 W				
• at 40 °C during startup	1 500 W				
power loss [W] at AC at current limitation 350 %					
• at 60 °C after startup	27 W				
• at 50 °C after startup	30 W				
• at 40 °C after startup	34 W				
power loss [W] for rated value of the current at AC					
minimum load [%]	10 %; Relative to set le				
relative positive tolerance of the operating frequency	10 %				
relative negative tolerance of the operating frequency	-10 %				
Operating frequency 2 rated value	60 Hz				
Operating frequency 1 rated value	50 Hz				
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	110 kW				
• at 400 V at 40 °C rated value	55 kW				
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	55 kW				
• at 230 V at 40 °C rated value	30 kW				
operating power for 3-phase motors					
inside-delta circuit					
inside-delta circuit relative positive tolerance of the operating voltage at	10 %				
relative negative tolerance of the operating voltage at	-15 %				
relative positive tolerance of the operating voltage	10 %				
relative negative tolerance of the operating voltage	-15 %				
at inside-delta circuit rated value	200 480 V				
rated value	200 480 V				
operating voltage					
• at 60 °C rated value	154 A				
• at 50 °C rated value	175 A				
• at 40 °C rated value	196 A				
operational current at inside-delta circuit					
• at 60 °C rated value	89 A				
• at 50 °C rated value	101 A				
<ul> <li>at 40 °C rated value minimum</li> </ul>	23 A				
• at 40 °C rated value	113 A				
operational current					
Power Electronics					
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes				
<ul> <li>reversing operation</li> </ul>	Yes				
<ul> <li>emergency operation mode</li> </ul>	Yes				
alternative run-down	Yes				
<ul> <li>application wizards</li> </ul>	Yes				
<ul> <li>automatic parameterisation</li> </ul>	Yes				
<ul> <li>condition monitoring</li> </ul>	Yes				
programmable control inputs/outputs	Yes				
analog output	Yes; 4 20 mA (default) / 0 10 V				
combined braking	Yes				
torque control	Yes				
voltage ramp	Yes				
removable terminal for control circuit	Yes				
	Yes				
<ul> <li>firmware update</li> </ul>	Van				

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	-10 %
voltage frequency	
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	440 mA
holding current in bypass operation rated value	870 mA
locked-rotor current at close of bypass contact	6.3 A
maximum	0.077
inrush current peak at application of control supply voltage maximum	7.5 A
duration of inrush current peak at application of control supply voltage	20 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	4
• parameterizable	4
number of inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	4
number of digital outputs parameterizable	3
number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
number of analog outputs	
switching capacity current of the relay outputs	
at AC-15 at 250 V rated value	3 A
<ul> <li>at DC-13 at 24 V rated value</li> </ul>	1 A
at DC-13 at 24 V rated value  Installation/ mounting/ dimensions	1 A
Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
Installation/ mounting/ dimensions mounting position fastening method	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm
Installation/ mounting/ dimensions mounting position fastening method height width	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing
Installation/ mounting/ dimensions mounting position fastening method height width depth	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm
Installation/ mounting/ dimensions mounting position fastening method height width	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)         screw fixing         306 mm         185 mm         203 mm         10 mm         0 mm         100 mm         75 mm         5 mm         6.85 kg         busbar connection         screw-type terminals
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)         screw fixing         306 mm         185 mm         203 mm         10 mm         0 mm         100 mm         75 mm         5 mm         6.85 kg         busbar connection         screw-type terminals

• with conductor cross-section = 1.5 mm <sup>2</sup> maximum	150 m				
with conductor cross-section = 2.5 mm <sup>2</sup> maximum	250 m				
type of connectable conductor cross-sections					
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (16 95 mm²)				
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (25 120 mm²)				
type of connectable conductor cross-sections					
<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</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)				
processing					
at AWG cables for control circuit solid	1x (20 12), 2x (20 14)				
wire length					
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m				
<ul> <li>at the digital inputs at DC maximum</li> </ul>	1 000 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</li> </ul>	0.8 1.2 N·m				
terminals					
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 terminals</li> </ul>	7 10.3 lbf in				
Ambient conditions					
	5 000 m. Dersting as of 1000 m. and astalag				
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog				
ambient temperature	25 CO °C Places charge dereting at temperatures of 40 °C or				
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or above				
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C				
environmental category					
during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt				
	mist), 3S2 (sand must not get into the devices), 3M6				
<ul> <li>during storage acc. to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must				
	inter (enily bookerent condenoution), roz (no sait mist), roz (sand must				
	not get inside the devices), 1M4				
during transport acc. to IEC 60721					
	not get inside the devices), 1M4				
during transport acc. to IEC 60721	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
during transport acc. to IEC 60721  EMC emitted interference	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
• during transport acc. to IEC 60721  EMC emitted interference Communication/ Protocol	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)				
• during transport acc. to IEC 60721  EMC emitted interference  Communication/ Protocol  communication module is supported	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A				
• during transport acc. to IEC 60721  EMC emitted interference Communication/ Protocol  communication module is supported  • PROFINET standard	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes				
• during transport acc. to IEC 60721  EMC emitted interference Communication/ Protocol communication module is supported      • PROFINET standard     • PROFINET high-feature	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes				
• during transport acc. to IEC 60721      EMC emitted interference      Communication/ Protocol      communication module is supported      • PROFINET standard      • PROFINET high-feature      • EtherNet/IP	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes				
• during transport acc. to IEC 60721      EMC emitted interference      Communication Protocol      communication module is supported      • PROFINET standard      • PROFINET high-feature      • EtherNet/IP      • Modbus RTU	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes				
• during transport acc. to IEC 60721  EMC emitted interference Communication/ Protocol communication module is supported      • PROFINET standard     • PROFINET high-feature     • EtherNet/IP     • Modbus RTU     • Modbus TCP     • PROFIBUS	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes				
e during transport acc. to IEC 60721  EMC emitted interference  Communication/ Protocol      e PROFINET standard      PROFINET high-feature      EtherNet/IP      Modbus RTU      Modbus TCP	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes				
e during transport acc. to IEC 60721      EMC emitted interference      Communication/Protocol      communication module is supported          PROFINET standard          PROFINET high-feature          EtherNet/IP          Modbus RTU          Modbus TCP          PROFIBUS      UL/CSA ratings	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes				
e during transport acc. to IEC 60721  EMC emitted interference  Communication/ Protocol  e Order Standard  PROFINET standard  PROFINET high-feature  E therNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker  usable for Standard Faults at 460/480 V	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes				
e during transport acc. to IEC 60721  EMC emitted interference Communication/Protocol      e PROFINET standard      PROFINET high-feature      EtherNet/IP      Modbus RTU      Modbus TCP      PROFIBUS  UL/CSA ratings manufacturer's article number      of circuit breaker     usable for Standard Faults at 460/480 V     according to UL     usable for High Faults at 460/480 V according	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes				
e during transport acc. to IEC 60721  EMC emitted interference Communication Protocol      e PROFINET standard      PROFINET high-feature      EtherNet/IP      Modbus RTU      Modbus TCP      PROFIBUS  UL/CSA ratings manufacturer's article number      of circuit breaker     usable for Standard Faults at 460/480 V according to UL     usable for Standard Faults at 460/480 V at	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA				
e during transport acc. to IEC 60721      EMC emitted interference      Communication module is supported          PROFINET standard          PROFINET high-feature          EtherNet/IP          Modbus RTU          Modbus TCP          PROFIBUS      UL/CSA ratings      manufacturer's article number          of circuit breaker          — usable for Standard Faults at 460/480 V according to UL          — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL          — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL          — usable for High Faults at 460/480 V at inside-	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA				
<ul> <li>during transport acc. to IEC 60721</li> <li>EMC emitted interference</li> <li>Communication module is supported</li> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <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 Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
<ul> <li>during transport acc. to IEC 60721</li> <li>EMC emitted interference</li> <li>Communication module is supported</li> <li>PROFINET standard</li> <li>PROFINET high-feature</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <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 Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> <li>usable for High Faults at 460/480 V at inside-delta 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 inside-</li> </ul>	not get inside the devices), 1M4 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A Yes Yes Yes Yes Yes Yes Yes Yes Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq max = 65 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA Siemens type: 3VA52, max. 250 A; lq = 10 kA				
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according to I							
— usable for according to l	High Faults up to 575/6 UL	800 V	) V Type: Class J / L, max. 350 A; Iq = 100 kA				
	Standard Faults at insi 75/600 V according to		Type: Class RK5 / K5, max. 350 A; lq = 10 kA				
	High Faults at inside-de according to UL	elta circuit up	uit up Type: Class J / L, max. 350 A; Iq = 100 kA				
operating power [hp	] for 3-phase motors						
• at 200/208 V at	50 °C rated value		30 hp				
• at 220/230 V at	50 °C rated value		30 hp				
• at 460/480 V at	50 °C rated value		75 hp				
● at 200/208 V at value	inside-delta circuit at 5	0 °C rated					
● at 220/230 V at value	inside-delta circuit at 5	0 °C rated	60 hp				
● at 460/480 V at value	inside-delta circuit at 5	0 °C rated	125 h	р			
contact rating of aux	xiliary contacts accor	ding to UL	R300	-B300			
Safety related data							
protection class IP of	on the front acc. to IE	C 60529	IP00;	IP20 with cover			
touch protection on	the front acc. to IEC (	60529	finger	-safe, for vertical conta	act from the front with	cover	
electromagnetic con	npatibility			o IEC 60947-4-2			
ATEX	-						
certificate of suitabi	lity						
ATEX	,		Yes				
• IECEx			Yes				
	EX directive 2014/34/E	:U		18 ATEX F 003 X			
	ccording to ATEX dire			II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db],			
2014/34/EU		01110		) [Ex db Mb]			
hardware fault tolerance acc. to IEC 61508 relating to ATEX			0				
PFDavg with low demand rate acc. to IEC 61508 relating to ATEX		0.008	0.008				
PFHD with high demand rate acc. to EN 62061 relating to ATEX		0.0000005 1/h					
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX		SIL1					
T1 value for proof te IEC 61508 relating to	est interval or service o ATEX	life acc. to	3 у				
Certificates/ approval	s						
Conoral Broduct An	proval				EMC	For use in hazard-	
General Product Ap	proval				EIVIC	ous locations	
SP Car		(h) L		EHC	RCM	IECEX	
For use in hazard- ous locations	Declaration of Conformity	Test Certifica	ites	Marine / Shipping			
K ATEX	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re		ABS	BUREAU VERITAS	Lloyd's Register urs	
Marine / Shipping		other					



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=3RW5534-6HA04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5534-6HA04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5534-6HA04&lang=en

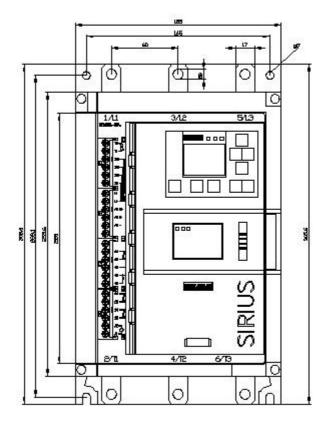
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

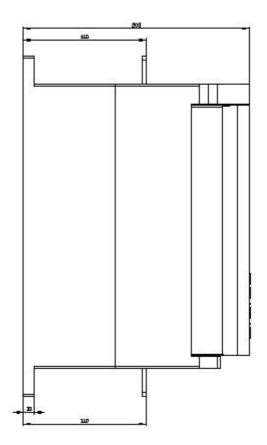
https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA04/char

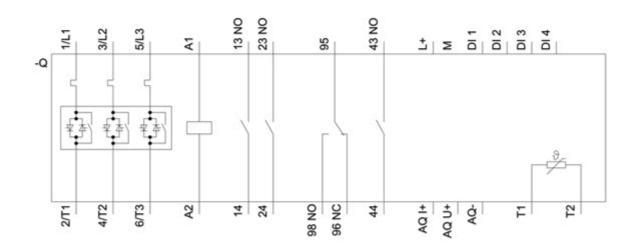
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5534-6HA04&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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