SIEMENS

product brand name

product category

Data sheet 3RW5534-6HA16

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-690 V 113 A, 110-250 V AC Screw terminals

product outegory	Trybrid Officially devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
 of high feature HMI module usable 	3RW5980-0HF00
 of communication module PROFINET standard usable 	3RW5980-0CS00
 of communication module PROFINET high-feature usable 	3RW5950-0CH00
 of communication module PROFIBUS usable 	3RW5980-0CP00
 of communication module Modbus TCP usable 	3RW5980-0CT00
 of communication module Modbus RTU usable 	3RW5980-0CR00
 of communication module Ethernet/IP 	3RW5980-0CE00
 of circuit breaker usable at 400 V 	3VA2216-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2220-7MN32-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	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
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1225-0; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3231; Type of coordination 2, Iq = 65 kA
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
UL approval	Yes
CSA approval	Yes

product component	
HMI-High Feature	Yes
• is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	
for main current circuit	100 ms
for control circuit	100 ms
idle time adjustable	0 255 s
insulation voltage rated value	690 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	8 kV
blocking voltage of the thyristor maximum	1 800 V
service factor	1.15
surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
between main and auxiliary circuit	690 V; does not apply for thermistor connection
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
recovery time after overload trip adjustable	60 1 800 s
utilization category acc. to IEC 60947-4-2	AC 53a
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	15.02.2018
product function	
ramp-up (soft starting)	Yes
ramp-down (soft stop)	Yes
 breakaway pulse 	Yes
 adjustable current limitation 	Yes
 creep speed in both directions of rotation 	Yes
pump ramp down	Yes
DC braking	Yes
 motor heating 	Yes
slave pointer function	Yes
• trace function	Yes
intrinsic device protection	Yes
motor overload protection	Yes; Full motor protection (thermistor motor protection and electronic motor overload protection)
evaluation of thermistor motor protection	Yes; Type A PTC or Klixon / Thermoclick
inside-delta circuit	Yes; Only up to 600 V operating voltage
• auto-RESET	Yes
• manual RESET	Yes
• remote reset	Yes
communication function	Yes
operating measured value display	Yes
• event list	Yes
• error logbook	Yes
via software parameterizable	Yes
via software configurable	Yes
screw terminal	Yes
spring-loaded terminal	No
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High- Feature communication modules
• firmware update	Yes
 removable terminal for control circuit 	Yes
 voltage ramp 	Yes
torque control	Yes
combined braking	Yes
analog output	Yes; 4 20 mA (default) / 0 10 V

	Vaa
programmable control inputs/outputs	Yes
condition monitoring	Yes
automatic parameterisation	Yes
application wizards	Yes
 alternative run-down 	Yes
 emergency operation mode 	Yes
 reversing operation 	Yes
soft starting at heavy starting conditions	Yes
Power Electronics	
operational current	
 at 40 °C rated value 	113 A
 at 40 °C rated value minimum 	23 A
• at 50 °C rated value	101 A
 at 60 °C rated value 	89 A
operational current at inside-delta circuit	
at 40 °C rated value	196 A
at 50 °C rated value	175 A
at 60 °C rated value	154 A
operating voltage	
• rated value	200 690 V
at inside-delta circuit rated value	200 600 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	-15 %
inside-delta circuit	10 /0
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 	30 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	55 kW
 at 400 V at 40 °C rated value 	55 kW
 at 400 V at inside-delta circuit at 40 °C rated value 	110 kW
 at 500 V at 40 °C rated value 	75 kW
 at 500 V at inside-delta circuit at 40 °C rated value 	132 kW
● at 690 V at 40 °C rated value	110 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 %
minimum load [%]	10 %; Relative to set le
power ross (vv) for rated value of the current at AC	
power loss [W] for rated value of the current at AC • at 40 °C after startup	34 W
• at 40 °C after startup	34 W 30 W
at 40 °C after startupat 50 °C after startup	
 at 40 °C after startup at 50 °C after startup at 60 °C after startup 	30 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % 	30 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup 	30 W 27 W 1 500 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 	30 W 27 W 1 500 W 1 279 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup 	30 W 27 W 1 500 W 1 279 W 1 074 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection 	30 W 27 W 1 500 W 1 279 W
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup at 60 °C during startup type of the motor protection Control circuit/ Control type of voltage of the control supply voltage	30 W 27 W 1 500 W 1 279 W 1 074 W
at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 at 60 Hz 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor AC 110 250 V 110 250 V
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 at 60 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor AC 110 250 V 110 250 V -15 %
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 at 60 Hz relative negative tolerance of the control supply 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor AC 110 250 V 110 250 V
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 at 60 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor AC 110 250 V 110 250 V -15 %
 at 40 °C after startup at 50 °C after startup at 60 °C after startup power loss [W] at AC at current limitation 350 % at 40 °C during startup at 50 °C during startup 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 at 60 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz 	30 W 27 W 1 500 W 1 279 W 1 074 W Electronic, tripping in the event of thermal overload of the motor AC 110 250 V 110 250 V -15 %

voltage at AC at 60 Hz	50 0011-
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	100 mA
holding current in bypass operation rated value	180 mA
locked-rotor current at close of bypass contact maximum	0.8 A
inrush current peak at application of control supply voltage maximum	43 A
duration of inrush current peak at application of control supply voltage	1.6 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 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	1
switching capacity current of the relay outputs	
at AC-15 at 250 V rated value	3 A
 at DC-13 at 24 V rated value 	1 A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
fastening method height	screw fixing 306 mm
height	306 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm
height width depth	306 mm 185 mm
height width depth required spacing with side-by-side mounting • forwards • backwards	306 mm 185 mm 203 mm 10 mm 0 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m
height width depth required spacing with side-by-side mounting	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m 2x (16 95 mm²) 2x (25 120 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m 2x (16 95 mm²) 2x (25 120 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 1.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
height width depth required spacing with side-by-side mounting • forwards • backwards • upwards • downwards • at the side weight without packaging Connections/ Terminals type of electrical connection • for main current circuit • for control circuit width of connection bar maximum wire length for thermistor connection • with conductor cross-section = 0.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded • for DIN cable lug for main contacts finely stranded type of connectable conductor cross-sections • for control circuit solid • for control circuit finely stranded with core end processing	306 mm 185 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 6.85 kg busbar connection screw-type terminals 25 mm 50 m 150 m 250 m 2x (16 95 mm²) 2x (25 120 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)

at the digital inputs at DC maximum	1 000 m
at the digital inputs at DC maximum tightening torque	1 000 m
tightening torque	10 14 N.m
for main contacts with screw-type terminals for auxiliary and control contacts with screw type	10 14 N·m
for auxiliary and control contacts with screw-type terminals	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 terminals 	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
 during storage and transport 	-40 +80 °C
environmental category	
• during operation acc. to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
• during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during transport acc. to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
 PROFINET high-feature 	Yes
• EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
usable for Standard Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
usable for High Faults at 460/480 V according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
usable for Standard Faults at 460/480 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
— usable for High Faults at 460/480 V at inside- delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
usable for High Faults at 575/600 V at inside- delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq max = 65 kA
— usable for Standard Faults at 575/600 V at inside-delta circuit according to UL	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
• of the fuse	
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 350 A; Iq = 100 kA
usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
usable for High Faults at inside-delta circuit up to 575/600 V according to UL	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 575/600 V at 50 °C rated value	100 hp
at 200/208 V at inside-delta circuit at 50 °C rated	
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	50 hp
at ∠∠∪/∠∪∪ v at insluctudita circuit at 50 € fated	00 TIP

value	
 at 460/480 V at inside-delta circuit at 50 °C rated value 	125 hp
• at 575/600 V at inside-delta circuit at 50 °C rated value	150 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with cover
electromagnetic compatibility	acc. to IEC 60947-4-2
ATEX	
certificate of suitability	
• ATEX	Yes
• IECEx	Yes
 according to ATEX directive 2014/34/EU 	BVS 18 ATEX F 003 X
type of protection according to ATEX directive 2014/34/EU	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [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
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 test interval or service life acc. to IEC 61508 relating to ATEX	3 y
Certificates/ approvals	



General Product Approval



Confirmation







EMC

For use in hazardous locations

Declaration of Conformity

Test Certificates

Marine / Shipping





- -

Type Test Certificates/Test Report





Marine / Shipping

other





Confirmation

Further information

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=3RW5534-6HA16

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5534-6HA16}}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA16

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RW5534-6HA16&lang=en

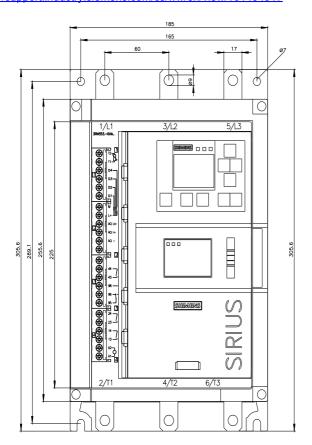
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA16/char

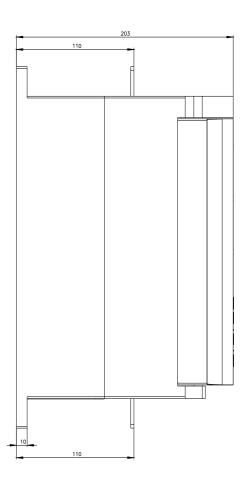
Characteristic: Installation altitude

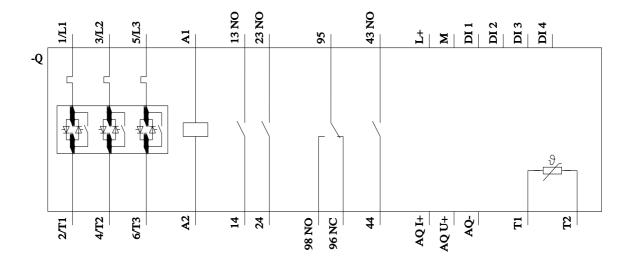
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5534-6HA16&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 3/9/2021 🖸