SIEMENS

product brand name

product category

3RW5534-6HA14 **Data sheet**

SIRIUS

Hybrid switching devices



SIRIUS soft starter 200-480 V 113 A, 110-250 V AC Screw terminals

product outogory	,, z.i.a ciiile
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	Von
	Yes
is supported HMI-High Feature	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3 CLASS 40A / 40F /default\ / 20F / 20F; and to IFO C0047 4.2
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 %
recovery time after overload trip adjustable	60 1 800 s
buffering time in the event of power failure • for main current circuit	100 ms
for control circuit	100 ms
	0 255 s
idle time adjustable	480 V
insulation voltage rated value	3, acc. to IEC 60947-4-2
degree of pollution	
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	400.1/ 1
between main and auxiliary circuit	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	V
• 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 DC braking	Yes
DC braking mater heating	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) / When using the motor overload protection according to ATEX, an upstream contactor is required in inside-delta circuit.
 evaluation of thermistor motor protection 	Yes; Type A PTC or Klixon / Thermoclick
• inside-delta circuit	Yes
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-type terminal	No
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-
	Feature communication modules

a firmwaya undata	Voc
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
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	400 A
• at 40 °C rated value	196 A
• at 50 °C rated value	175 A
at 60 °C rated value	154 A
operating voltage	000 400 1/
• 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 	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
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 loss [W] for rated value of the current at AC	34 W
 at 40 °C after startup at 50 °C after startup 	34 W 30 W
at 50 °C after startup at 60 °C after startup	27 W
power loss [W] at AC at current limitation 350 %	21 11
• at 40 °C during startup	1 500 W
at 50 °C during startup	1 279 W
at 60 °C during startup	1 074 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	The state of the s
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	-15 %
voltage at AC at 50 Hz	

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	-10 %
voltage frequency	
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 inputs for thermistor connection	1; Type A PTC or Klixon / Thermoclick
number of digital outputs	4
number of digital outputs number of digital outputs parameterizable	3
number of digital outputs parameterizable number of digital outputs not parameterizable	1
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)
<u> </u>	1
number of analog outputs switching capacity current of the relay outputs	'
• at AC-15 at 250 V rated value	3 A
at DC-13 at 250 V rated value at DC-13 at 24 V rated value	1A
	TA
Installation/ mounting/ dimensions	Vertical (assets a restated of 000 and tilted formand as beginning of 1,000 feet
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	306 mm
width	185 mm
depth	203 mm
required spacing with side-by-side mounting • forwards	10 mm
torwards backwards	10 mm 0 mm
packwards upwards	100 mm
upwards downwards	75 mm
at the side	5 mm
weight without packaging	6.85 kg
Connections/ Terminals	oloo ng
type of electrical connection	
for main current circuit	busbar connection
for control circuit	screw-type terminals
width of connection bar maximum	25 mm
with of connection bar maximum wire length for thermistor connection	20 111111
with conductor cross-section = 0.5 mm² maximum	50 m
with conductor cross-section = 0.5 mm² maximum with conductor cross-section = 1.5 mm² maximum	150 m
	100 111
■ With conductor cross-section = 7.6 mm² mavimum	250 m
with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections	250 m
type of connectable conductor cross-sections	
	250 m 2x (16 95 mm²) 2x (25 120 mm²)

installation altitude at height above sea level maximum ambient temperature during operation during storage and transport during operation acc. to IEC 60721 during storage acc. to IEC 60721 during transport acc. to IEC 60721 EMC emitted interference communication/ Protocol communication/ Protocol communication module is supported PROFINET standard PROFINET high-feature EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 5 000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 3c 1000 m; Derating as of 1000 m, see catalog 4c 25 +60 °C; Please observe derating at temperatures of 40 °C or above 4c 26 +80 °C 4c 26 +80 °C 4c 3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 2k2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) acc. to IEC 60947-4-2: Class A communication/ Protocol communication/ Protocol communication module is supported PROFINET standard PROFINET standard Yes EtherNet/IP Modbus RTU Modbus TCP PROFIBUS		
• for control circuit finely stranded with core end processing processing processing with AVMS cables for control circuit solid 1x (20 12), 2x (20 14) • talk deglad inputs at DC maximum 1000 m 10	· ·	
processing		
between soft starter and motor maximum • at the digital inputs at DC maximum 1 000 m 1 000		1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
between soft stater and motor maximum	 at AWG cables for control circuit solid 	1x (20 12), 2x (20 14)
* at the digital inputs at DC maximum tightoning torque * for main contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for auxiliary and control contacts with screw-type terminals * for one control according to U. * usable for Sta	wire length	
Second Process Seco	 between soft starter and motor maximum 	800 m
For mail contacts with screw-type terminals For auxiliary and control contacts with screw-type For auxiliary and control control of auxiliary and co	 at the digital inputs at DC maximum 	1 000 m
• for auxillary and control contacts with screw-type terminals	tightening torque	
tightening torque [lbf-in] • for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • during sperature • during storage acc. to IEC 60721 3	 for main contacts with screw-type terminals 	10 14 N·m
### Standard Faults at 460/480 V according to UL ### Standard Faults at 460/480 V according to UL ### Standard Faults at 460/480 V according to UL ### Standard Faults at 460/480 V according to UL ### Standard Faults at 575/600 V according to UL ### Standard Faults at 575/600 V according to UL ### Standard Faults at 1575/600 V according to UL ### Standard Faults at 1575/600 V according to UL ### Standard Faults at 1575/600 V according to UL ### Standard Faults at 1575/600 V according to UL ### Standard Faults at 1575/600 V according to UL ### Use Standard Faults at 1575/600 V according to UL ### Us	 for auxiliary and control contacts with screw-type 	0.8 1.2 N·m
• for main contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals • for auxiliary and control contacts with screw-type terminals *Ambient conditions installation altitude at height above sea level maximum • during operation • during operation • during storage and transport • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • PROFINET sigh-feature • PROFINET sigh-feature • PROFINET sigh-feature • ROPORINET sigh-feature • Communication module is supported • PROFINET sigh-feature • Communications • Of circuit breaker • Usable for Standard Faults at 460/480 V according to UL — 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 High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — us		
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• during storage and transport • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • EMC emitted interference • douring transport acc. to IEC 60721 • ZK2, ZC1, 251, ZM2 (max. tail height 0.3 m) EMC emitted interference • acc. to IEC 60947-4-2: Class A **Tommunication module is supported** • PROFINET standard • PROFINET standard • PROFINET standard • PROFINET high-feature • EthernextrlP • Modbus RTU • Yes • PROFIBUS **Total 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 High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard F	ambient temperature	
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environmental category • during operation acc. to IEC 60721 • during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 EMC emitted Interference communication Protocol communication module is supported • PROFINET standard • PROFIBUS • Modbus RTU • Modbus RTU • See • PROFIBUS was balle for Standard Faults at 460/480 V according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults up to 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Stan		
• during operation acc. to IEC 60721 • during storage acc. to IEC 60721 • during transport acc. to IEC 60721 • dec. of IEC 60947-4-2: Class A • Communication module is supported • PROFINET standard • PROFINET 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 575/600 V at inside-delta circuit according to UL • of the fuse • usable for Standard Faults at 575/600 V according to UL • usable for Standard Faults up to 575/600 V according to UL • usable for Standard Faults up to 575/600 V according to UL • usable for Standard Faults up to 575/600 V according to UL • usable for Standard 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		-40 +80 °C
mist), 352 (sand must not get into the devices), 3M6 • during storage acc. to IEC 60721		
ont get inside the devices), 1M4 • 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 RTU • Modbus TCP • PROFIBUS wes cording to UL — usable for Standard Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL • of the fuse — usable for Standard Faults at 575/600 V according to UL	 during operation acc. to IEC 60721 	
EMC emitted interference acc. to IEC 60947-4-2: Class A Communication/ Protocol PROFINET standard PROFINET standard PROFINET high-feature EitherNet/IP Modbus RTU Modbus RTU Modbus TCP PROFIBUS Ves 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 at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for High Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at 575/600 V according to UL — usable for Standard Faults at inside-delta circuit according to UL — usable for Standard Faults at inside-delta circuit 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 Standard Faults at inside-delta circuit 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL	• during storage acc. to IEC 60721	
Communication module is supported PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINET standard PROFINET high-feature Profile Standard Modbus RTU Profile Profile Standard Profile Standard Profile Standard Profile Standard Faults at 460/480 V According to UL According to	 during transport acc. to IEC 60721 	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
e PROFINET standard PROFINET high-feature PROFINET high-feature EtherNet/IP Modbus RTU PROFINES PROFIBUS **Ves Profice of Circuit breaker -**Usable for Standard Faults at 460/480 V according to UL -**Usable for High Faults at 460/480 V at inside-delta circuit according to UL -**Usable for High 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 Standard Faults at 575/600 V according to UL -**Usable for Standard Faults at 575/600 V at inside-delta circuit according to UL -**Usable for Standard Faults at 575/600 V according to UL -**Usable for Standard Faults at 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults at inside-delta circuit according to UL -**Usable for Standard Faults at inside-delta circuit according to UL -**Usable for Standard Faults at inside-delta circuit according to UL -**Usable for Standard Faults at inside-delta circuit according to UL -**Usable for Standard Faults at inside-delta circuit according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults up to 575/600 V according to UL -**Usable for Standard Faults at inside-delta circuit up to 575/600 V acco	EMC emitted interference	acc. to IEC 60947-4-2: Class A
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PROFIBUS Tyes ### PROFIBUS	 Modbus RTU 	Yes
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 — usable for High Faults at 460/480 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V according to UL — usable for High Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults at 575/600 V at inside-delta circuit according to UL — usable for Standard Faults 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 Standard Faults at inside-delta circuit up to 575/600 V according to UL — 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		Siemens type: 3VA52, max. 250 A; lq = 10 kA
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 — usable for High Faults at 575/600 V at insidedelta circuit according to UL — usable for Standard Faults 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 up to 575/600 V according to UL — 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 Type: Class RK5 / K5, max. 350 A; Iq = 10 kA Type: Class RK5 / K5, max. 350 A; Iq = 10 kA 	— usable for Standard Faults at 575/600 V	Siemens type: 3VA52, max. 250 A; Iq = 10 kA
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	usable for Standard Faults at inside-delta	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
		Time: Class 1/1 may 250 At la = 400 kA

to 575/600 V according to UL	
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 inside-delta circuit at 50 °C rated value 	50 hp
 at 220/230 V at inside-delta circuit at 50 °C rated value 	60 hp
• at 460/480 V at inside-delta circuit at 50 °C rated value	125 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	
certificate of suitability • ATEX	Yes
-	Yes Yes
• ATEX	
• ATEX • IECEx	Yes
ATEX IECEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive	Yes BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db],
ATEX IECEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to	Yes BVS 18 ATEX F 003 X 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]
ATEX IECEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508	Yes BVS 18 ATEX F 003 X 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] 0
ATEX IECEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating	Yes BVS 18 ATEX F 003 X 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] 0 0.008
ATEX IECEx according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508 relating to ATEX PFHD with high demand rate acc. to EN 62061 relating to ATEX Safety Integrity Level (SIL) acc. to IEC 61508 relating	Yes BVS 18 ATEX F 003 X 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] 0 0.008 0.0000005 1/h

Certificates/ approvals

General Product Approval

EMC

For use in hazardous locations













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=3RW5534-6HA14

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5534-6HA14

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA14

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5534-6HA14&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

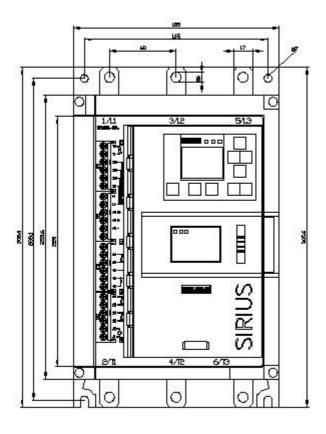
https://support.industry.siemens.com/cs/ww/en/ps/3RW5534-6HA14/char

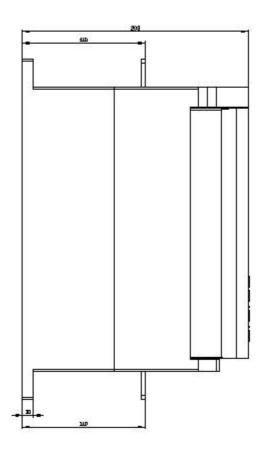
Characteristic: Installation altitude

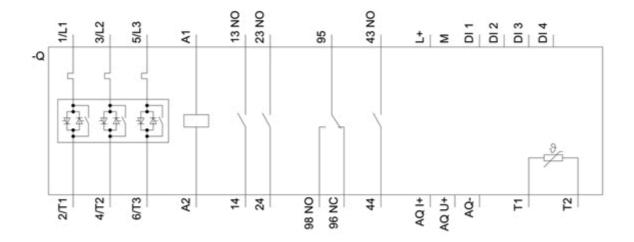
 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5534-6HA14\&objecttype=14\&gridview=view1.pdf}$

Simulation Tool for Soft Starters (STS)

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







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