SIEMENS

product brand name

Data sheet 3RW5552-6HA04



SIRIUS soft starter 200-480 V 630 A, 24 V AC/DC Screw terminals





product brane	01100
product category	Hybrid switching 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 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 500 V 	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of circuit breaker usable at 400 V at inside-delta circuit 	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
• of circuit breaker usable at 500 V at inside-delta circuit	3VA2716-7AB05-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NB3350-1KK26; Type of coordination 2, Iq = 65 kA
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NC3343-1U; Type of coordination 2, Iq = 65 kA
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 %; non-adjustable
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	5 (based on IEC 61557-12)
certificate of suitability	

SIRIUS

CE markingUL approval

CSA approval

Yes

Yes

Yes

d.:4	
product component	Yes
HMI-High Feature is supported LIMI High Feature.	
is supported HMI-High Feature Product forture integrated hymnes contact system.	Yes
product feature integrated bypass contact system	3
number of controlled phases current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	10 93 //
• 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 protective separation	
between main and auxiliary circuit	480 V; does not apply for thermistor connection
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
recovery time after overload trip adjustable	60 1 800 s
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/11/2019
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 Lead titanium trioxide - 12060-00-3
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
min/max pointer	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 displayevent list	Yes Yes
error logbook	Yes
via software parameterizable	Yes
via software parameterizable 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

and in a decading	V
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	630 A
 at 40 °C rated value minimum 	126 A
• at 50 °C rated value	561 A
at 60 °C rated value	510 A
operational current at inside-delta circuit	
• at 40 °C rated value	1 091 A
• at 50 °C rated value	972 A
at 60 °C rated value	883 A
operating voltage	
rated value	200 480 V
at inside-delta circuit rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative positive tolerance of the operating voltage	10 %
relative negative tolerance of the operating voltage at inside-delta circuit	-15 %
relative positive tolerance of the operating voltage at inside-delta circuit	10 %
operating power for 3-phase motors	
• at 230 V at 40 °C rated value	200 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	355 kW
 at 400 V at 40 °C rated value 	355 kW
at 400 V at inside-delta circuit at 40 °C rated value	630 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	
• at 40 °C after startup	189 W
• at 50 °C after startup	135 W
at 60 °C after startup	108 W
power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	9 538 W
 at 50 °C during startup 	8 115 W
at 60 °C during startup	7 123 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
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	440 mA
holding current in bypass operation rated value	1 100 mA
inrush current by closing the bypass contacts maximum	6.7 A
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	оторо от оприл
number of digital inputs	4
parameterizable	4
• parameterizable	,
number of digital outputs	4
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)
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	1A
at DC-13 at 24 v Tateu value	
Installation/ mounting/ dimensions	Vertical (can be rotated ±/ 00° and tilted forward or backward ±/ 22.5°)
Installation/ mounting/ dimensions mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
Installation/ mounting/ dimensions mounting position fastening method	screw fixing
Installation/ mounting/ dimensions mounting position fastening method height	screw fixing 764 mm
Installation/ mounting/ dimensions mounting position fastening method height width	screw fixing 764 mm 478 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth	screw fixing 764 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards	screw fixing 764 mm 478 mm 241 mm
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting • forwards • backwards	screw fixing 764 mm 478 mm 241 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	screw fixing 764 mm 478 mm 241 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	screw fixing 764 mm 478 mm 241 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	screw fixing 764 mm 478 mm 241 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 weight without packaging	screw fixing 764 mm 478 mm 241 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	screw fixing 764 mm 478 mm 241 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 weight without packaging Connections/ Terminals type of electrical connection	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg
Installation/ mounting/ dimensions mounting position fastening method 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg
Installation/ mounting/ dimensions mounting position fastening method 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 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 • 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 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 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 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 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m
Installation/ mounting/ dimensions mounting position fastening method 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 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 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m
Installation/ mounting/ dimensions mounting position fastening method 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 • with conductor cross-section = 2.5 mm² maximum type of connectable conductor cross-sections • for DIN cable lug for main contacts stranded	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m
Installation/ mounting/ dimensions mounting position fastening method 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm²) 2x (70 240 mm²)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm²) 2x (70 240 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm²) 2x (70 240 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)
Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection screw-type terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm²) 2x (70 240 mm²) 1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)

between soft starter and motor maximum	800 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
for main contacts with screw-type terminals	20 35 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	177 310 lbf·in
for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	7 10.3 IDI III
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog
ambient temperature	
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2
and the second of the second o	(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
during transport according to IEC 60721	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
Environmental footprint	
Siemens Eco Profile (SEP)	Siemens EcoTech
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
 PROFINET standard 	Yes
 PROFINET high-feature 	Yes
• EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• DDOEIDLIS	Yes
 PROFIBUS 	168
PROFIBUS UL/CSA ratings	Tes
	Tes
UL/CSA ratings	Tes
UL/CSA ratings manufacturer's article number	Type: Class J / L, max. 2000 A; Iq = 42 kA
UL/CSA ratings manufacturer's article number ● of the fuse — usable for Standard Faults up to 575/600 V	
UL/CSA ratings manufacturer's article number ● 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	Type: Class J / L, max. 2000 A; Iq = 42 kA
UL/CSA ratings manufacturer's article number ● 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	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA
■ UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA
■ UL/CSA ratings manufacturer's article number • of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA
■ 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 High Faults at inside-delta circuit up to 575/600 V according to UL Operating power [hp] for 3-phase motors	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA
manufacturer's article number	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA
manufacturer's article number	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA
manufacturer's article number 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 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	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp
manufacturer's article number 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 High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp
manufacturer's article number 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 High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp
manufacturer's article number of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300
manufacturer's article number 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 High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 ATEX Safety Integrity Level (SIL) according to IEC 61508 relating	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value tontact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 60529 ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508	Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA Type: Class J / L, max. 2000 A; Iq = 42 kA Type: Class J / L, max. 2000 A; Iq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300 IP00
manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL usable for High Faults at inside-delta circuit up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 200/208 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL Electrical Safety protection class IP on the front according to IEC 61508 relating to ATEX PFHD with high demand rate according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to	Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA Type: Class J / L, max. 2000 A; lq = 42 kA Type: Class J / L, max. 2000 A; lq = 100 kA 200 hp 200 hp 450 hp 350 hp 400 hp 850 hp R300-B300 IP00 SIL1 5E-7 1/h 0.008

certificate of suitability

- ATEX
- IECEx

• according to ATEX directive 2014/34/EU

type of protection according to ATEX directive 2014/34/EU

Yes

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]

Approvals Certificates

General Product Approval



Confirmation











EMV

For use in hazardous locations

Test Certificates

Marine / Shipping



<u>KC</u>



IECEX



Type Test Certificates/Test Report



Marine / Shipping



Confirmation

other



Environment





Environment

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=3RW5552-6HA04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5552-6HA04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5552-6HA04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5552-6HA04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

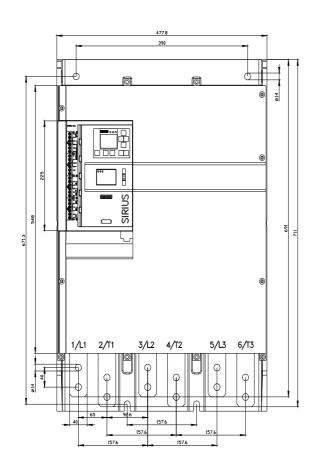
https://support.industry.siemens.com/cs/ww/en/ps/3RW5552-6HA04/char

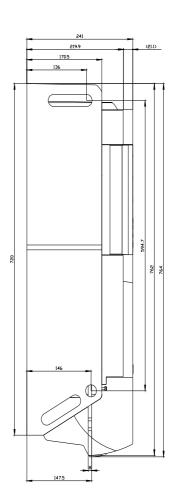
Characteristic: Installation altitude

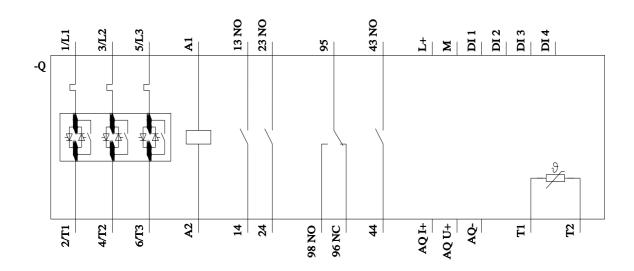
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5552-6HA04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 6/6/2024 🖸

