SIEMENS

Data sheet 3RW5554-6HA14



SIRIUS soft starter 200-480 V 840 A, 110-250 V AC Screw terminals





and the Albania and an area	OIDILIO	
product brand name	SIRIUS	
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 	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10	
 of circuit breaker usable at 500 V 	3VA2510-6HN32-0AA0; 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 	3NB3351-1KK26; 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	

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	
 CE marking 	Yes
 UL approval 	Yes
 CSA approval 	Yes

product component	Von
HMI-High Feature is supported HMI High Feature	Yes Yes
is supported HMI-High Feature product feature integrated bypass contact system.	Yes
number of controlled phases	3
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	10 33 /0
• 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 display	Yes
• event list	Yes
error logbook	Yes
via software parameterizable	Yes
via software configurable serow terminal	Yes
screw terminal spring loaded terminal	Yes
spring-loaded terminalPROFlenergy	No 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

and the self bank in a	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	840 A
 at 40 °C rated value minimum 	168 A
• at 50 °C rated value	748 A
at 60 °C rated value	670 A
operational current at inside-delta circuit	
• at 40 °C rated value	1 454 A
• at 50 °C rated value	1 295 A
• at 60 °C rated value	1 160 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 	250 kW
 at 230 V at inside-delta circuit at 40 °C rated value 	450 kW
 at 400 V at 40 °C rated value 	450 kW
at 400 V at inside-delta circuit at 40 °C rated value	800 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 	252 W
• at 50 °C after startup	205 W
• at 60 °C after startup	164 W
power loss [W] at AC at current limitation 350 %	
 at 40 °C during startup 	14 441 W
• at 50 °C during startup	12 187 W
at 60 °C during startup	10 405 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
control supply voltage at AC	
• at 50 Hz	110 250 V
● at 60 Hz	110 250 V
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %
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 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	210 mA
inrush current by closing the bypass contacts maximum	1 A
inrush current peak at application of control supply voltage maximum	44 A
duration of inrush current peak at application of control supply voltage	1.7 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	1A
Installation/ mounting/ dimensions	
mounting position	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
fastening method	screw fixing
height	764 mm
width	478 mm
depth	241 mm
required spacing with side-by-side mounting	241 111111
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
at the side	5 mm
weight without packaging	45 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
• for control circuit	screw-type terminals
width of connection bar maximum	55 mm
wire length for thermistor connection	
• with conductor cross-section = 0.5 mm² maximum	50 m
 with conductor cross-section = 1.5 mm² maximum 	150 m
• with conductor cross-section = 2.5 mm² maximum	250 m
type of connectable conductor cross-sections	
 for DIN cable lug for main contacts stranded 	2x (50 240 mm²)
for DIN cable lug for main contacts finely stranded	2x (70 240 mm²)
type of connectable conductor cross-sections	
• for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
• for control circuit finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
• for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	
between soft starter and motor maximum	800 m
at the digital inputs at DC maximum	1 000 m
tightening torque	
tightening torque • for main contacts with screw-type terminals	20 35 N·m
for main contacts with screw-type terminals for auxiliary and control contacts with screw-type	20 35 N·m 0.8 1.2 N·m

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- during storage and transport - during operation according to IEC 60721 - during operation according to IEC 60721 - during storage according to IEC 60721 - during transport according to IEC 61508 - relating of auxiliary conducts according to IEC 61508 - relating of AIEX - during transport according to IEC 61508 - relating to ATEX - during transport according to ATEX directive 2014/34/EU - leader according to ATEX directive 2014/34/EU	ambient temperature	
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of the fuse — usable for Standard Faults up to 575/600 V according to UL — usable for High Faults up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — usable for High Faults at inside-delta circuit up to 575/600 V according to UL — 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 — 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 — usable for High Faults at inside-delta circuit up to 575/600 V according to UL • at 200/208 V at 150 °C rated value • at		
- usable for Standard Faults up to 575/600 V according to UL. - usable for High Faults up to 575/600 V according to UL. - usable for High Faults at inside-delta circuit up to 575/600 V according to UL. - usable for High Faults at inside-delta circuit up to 575/600 V according to UL. - 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. - 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. - 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. - 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. - 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. - 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. - 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. - usable for High Faults at inside-delta circuit up to 575/600 V according to UL. - at 220/230 V at 50 °C rated value - at 220/230 V at 50 °C rated value - at 220/230 V at 50 °C rated value - at 220/230 V at 50 °C rated value - at 220/230 V at inside-delta circuit at 50 °C rated value - at 220/230 V at 50 °C rated value - at 220/230 V at inside-delta circuit at 50 °C rated value - at 220/230 V at inside-delta circuit at 50 °C rated value - at 220/230 V at inside-delta circuit at 50 °C rated value - at 220/230 V at inside-delta circuit at 50 °C rated value - at 220/230 V at insid		
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 [high Faults at inside-delta circuit up to 575/600 V according to UL Operating power [high Faults at inside-delta circuit up to 575/600 V according to UL Operating power [high Faults at inside-delta circuit up to 575/600 V according to UL Operating power [high Faults at inside-delta circuit at 50 °C rated value • at 200/208 V at 50 °C rated value • at 200/208 V at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 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 • at 460/480 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • at 200/208 V at inside-delta circuit at 50 °C rated value • a	— usable for Standard Faults up to 575/600 V	Type: Class J / L, max. 2500 A; Iq = 42 kA
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 250 hp • at 220/230 V at 50 °C rated value 300 hp • at 460/480 V at 50 °C rated value 600 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 450 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 550 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 460/480 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 550 hp • at 220/230 V at inside-delta circuit at 50 °C rated value 5		Type: Class J / L, max. 2500 A; Iq = 100 kA
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 220/230 V at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 V at inside-delta circuit at 50 °C rated value • at 220/230 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 • 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 300-B300 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 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX Certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU ByS 18 ATEX F 003 X type of protection according to ATEX directive 2014/34/EU Il (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex bb Db] [Ex pxb Db], I (M2)		Type: Class J / L, max. 2500 A; Iq = 42 kA
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 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 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 but 450 hp contact rating of auxiliary contacts according to UL R300-B300 Electrical Safety protection class IP on the front according to IEC 60529 ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFDD 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 ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX Certificate of suitability ATEX ECEC ACCORDINATION OF CRITICAL SUITABILITY Yes EICCEX according to ATEX directive 2014/34/EU BVS 18 ATEX F 003 X II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		Type: Class J / L, max. 2500 A; Iq = 100 kA
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 at 220/230 V at inside-delta circuit at 50 °C rated value at 220/230 V at inside-delta circuit at 50 °C rated value at 450 hp at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to attain g of auxiliary contacts according to UL to Contact rating of auxiliary contacts according to UL to ATEX Safety Integrity Level (SIL) according to IEC 60529 ATEX Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX PFD with high demand rate according to IEC 61508 relating to ATEX PFDay with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX etrificate of suitability ATEX EICCEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU til (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)	operating power [hp] for 3-phase motors	
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 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 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX 11 value for proof test interval or service life according to IEC 61508 relating to ATEX Certificate of suitability ATEX I certificate of suitability ATEX ECEX 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], I (Mz)	• at 200/208 V at 50 °C rated value	250 hp
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 to at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to at 460/480 V at inside-delta circuit at 50 °C rated value to 550 hp to 300-B300 Electrical Safety protection class IP on the front according to IEC 60529 IP00 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 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		300 hp
* at 220/230 V at inside-delta circuit at 50 °C rated value * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 * at 50 hpt * at 460/480 V at 18300 *		·
at 460/480 V at inside-delta circuit at 50 °C rated value contact rating of auxiliary contacts according to UL R300-B300 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 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability ATEX ATEX IECEX according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU 1 150 hp R300-B300 R300-B300 BR300-B300 SIL1 SIL1 5E-7 1/h Co.008 5E-7 1/h 2 0.008 3 a SE-7 1/h SE-		·
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 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX 11 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU R300-B300 PP00 ATEX 5E-7 1/h 10 0.008 3 a 10 0.008 3 a 11 (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db], I (M2)		·
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 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX Ardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability ATEX IECEX according to ATEX foos X type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		
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 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX 11 value for proof test interval or service life according to IEC 61508 relating to ATEX Certificate of suitability ATEX ATEX IECEX 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 pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		R300-B300
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 relating to ATEX PFDavg with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		IDOO
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 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU SIL1 SEL7 1/h 5E-7 1/h 0.008 0.008 1 3 a SEC 61508 relating to ATEX Yes • IECEX • 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 pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		IFUU
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 ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEx • according to ATEX directive 2014/34/EU type of protection according to ATEX directive 2014/34/EU SE-7 1/h 0.008 0.008 0 0	Safety Integrity Level (SIL) according to IEC 61508 relating	SIL1
PFDavg with low demand rate according to IEC 61508 relating to ATEX hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEx • 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 pxb Gb], II (2)D [Ex pxb Db], I (M2)	PFHD with high demand rate according to IEC 61508	5E-7 1/h
hardware fault tolerance according to IEC 61508 relating to ATEX T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • IECEX • 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 pxb Gb], II (2)D [Ex pxb Db], I (M2)	PFDavg with low demand rate according to IEC 61508	0.008
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX certificate of suitability • ATEX • IECEX • 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 pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)	hardware fault tolerance according to IEC 61508 relating to	0
certificate of suitability • ATEX • IECEX • according to ATEX directive 2014/34/EU Stype of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)	T1 value for proof test interval or service life according to	3 a
 ATEX IECEX according to ATEX directive 2014/34/EU Type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) 		
 ◆ IECEX ◆ 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 pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) 		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 pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		
type of protection according to ATEX directive 2014/34/EU II (2)G [Ex eb Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2)		
IEX UD IVIDI		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



KC





Type Test Certificates/Test Report



Marine / Shipping



r

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=3RW5554-6HA14

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5554-6HA14}}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5554-6HA14

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5554-6HA14\&lang=en}}$

Characteristic: Tripping characteristics, I²t, Let-through current

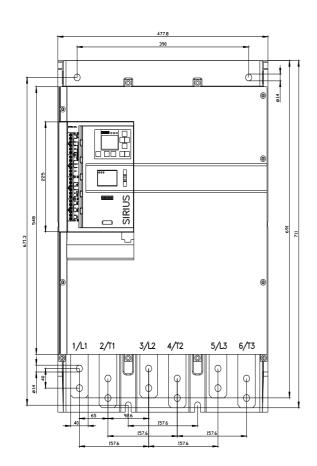
https://support.industry.siemens.com/cs/ww/en/ps/3RW5554-6HA14/char

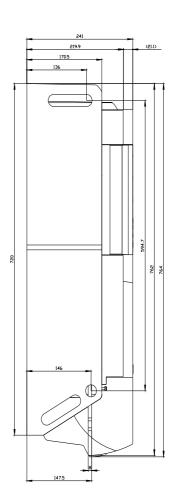
Characteristic: Installation altitude

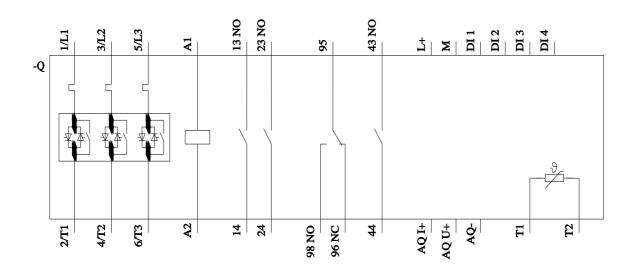
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5554-6HA14&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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