## SIEMENS

## Data sheet

## 3RW5545-2HA06



SIRIUS soft starter 200-690 V 315 A, 24 V AC/DC spring-type terminals

product brand name	SIRIUS
product category	Hybrid switching devices
product designation	Soft starter
product type designation	3RW55
manufacturer's article number	
<ul> <li>of high feature HMI module usable</li> </ul>	<u>3RW5980-0HF00</u>
<ul> <li>of communication module PROFINET standard usable</li> </ul>	<u>3RW5980-0CS00</u>
<ul> <li>of communication module PROFINET high-feature usable</li> </ul>	<u>3RW5950-0CH00</u>
<ul> <li>of communication module PROFIBUS usable</li> </ul>	<u>3RW5980-0CP00</u>
<ul> <li>of communication module Modbus TCP usable</li> </ul>	<u>3RW5980-0CT00</u>
<ul> <li>of communication module Modbus RTU usable</li> </ul>	<u>3RW5980-0CR00</u>
<ul> <li>of communication module Ethernet/IP</li> </ul>	<u>3RW5980-0CE00</u>
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2580-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of the gG fuse usable at inside-delta circuit up to 500 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1334-2; Type of coordination 2, Iq = 65 kA</u>
General technical data	
starting voltage [%]	20 100 %
stopping voltage [%]	50 50 %
start-up ramp time of soft starter	0 360 s
ramp-down time of soft starter	0 360 s
start torque [%]	10 100 %
stopping torque [%]	10 100 %
torque limitation [%]	20 200 %
current limiting value [%] adjustable	125 800 %
breakaway voltage [%] adjustable	40 100 %
breakaway time adjustable	0 2 s
number of parameter sets	3
accuracy class acc. to IEC 61557-12	5 %
certificate of suitability	

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

removable terminal for control circuit	Yes
voltage ramp	Yes
torque control	Yes
combined braking	Yes
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V
<ul> <li>programmable control inputs/outputs</li> </ul>	Yes
<ul> <li>condition monitoring</li> </ul>	Yes
<ul> <li>automatic parameterisation</li> </ul>	Yes
<ul> <li>application wizards</li> </ul>	Yes
<ul> <li>alternative run-down</li> </ul>	Yes
<ul> <li>emergency operation mode</li> </ul>	Yes
<ul> <li>reversing operation</li> </ul>	Yes
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes
Power Electronics	
operational current	
<ul> <li>at 40 °C rated value</li> </ul>	315 A
<ul> <li>at 40 °C rated value minimum</li> </ul>	63 A
• at 50 °C rated value	279 A
at 60 °C rated value	255 A
operational current at inside-delta circuit	
• at 40 °C rated value	546 A
• at 50 °C rated value	483 A
at 60 °C rated value	442 A
operating voltage	
rated value	200 690 V
at inside-delta circuit rated value	200 600 V
relative negative tolerance of the operating voltage	-15 % 10 %
relative positive tolerance of the operating voltage	
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	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	90 kW
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	160 kW
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	160 kW
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	315 kW
<ul> <li>at 500 V at 40 °C rated value</li> </ul>	200 kW
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	355 kW
• at 690 V at 40 °C rated value	315 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	
minimum load [%]	10 %; Relative to set le
power loss [W] for rated value of the current at AC	05 W
• at 40 °C after startup	95 W 84 W
<ul> <li>at 50 °C after startup</li> <li>at 60 °C after startup</li> </ul>	84 VV 77 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	4 966 W
• at 50 °C during startup	4 153 W
at 60 °C during startup	3 646 W
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	AC/DC
	AC/DC
type of voltage of the control supply voltage	AC/DC 24 V
type of voltage of the control supply voltage control supply voltage at AC	

relative repetive tolerance of the control events	
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	
<ul> <li>at DC rated value</li> </ul>	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	720 mA
locked-rotor current at close of bypass contact 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	
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
<ul> <li>number of digital outputs</li> <li>number of digital outputs parameterizable</li> </ul>	3
0 1 1	1
number of digital outputs not parameterizable  digital output version	
	3 normally-open contacts (NO) / 1 changeover contact (CO)
	4
number of analog outputs	1
number of analog outputs switching capacity current of the relay outputs	
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3 A
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value	
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions	3 A 1 A
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°)
number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value • at DC-13 at 24 V rated value Installation/ mounting/ dimensions mounting position fastening method	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • upwards	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • downwards	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm 5 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 10 mm 100 mm 5 mm
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • downwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.2 kg
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for main current circuit	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.2 kg busbar connection
number of analog outputs         switching capacity current of the relay outputs         • at AC-15 at 250 V rated value         • at DC-13 at 24 V rated value         Installation/ mounting/ dimensions         mounting position         fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • upwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection	3 A 1 A Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing 393 mm 210 mm 203 mm 10 mm 0 mm 100 mm 75 mm 5 mm 10.2 kg

wire length for thermistor connection	
<ul> <li>with conductor cross-section = 0.5 mm<sup>2</sup> maximum</li> </ul>	50 m
<ul> <li>with conductor cross-section = 1.5 mm<sup>2</sup> maximum</li> </ul>	150 m
• with conductor cross-section = 2.5 mm <sup>2</sup> maximum	250 m
type of connectable conductor cross-sections	
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	2x (50 240 mm²)
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	2x (70 240 mm²)
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>for control circuit finely stranded with core end processing</li> </ul>	2x (0.25 1.5 mm²)
<ul> <li>at AWG cables for control circuit solid</li> </ul>	2x (24 16)
<ul> <li>at AWG cables for control circuit finely stranded with core end processing</li> </ul>	2x (24 16)
wire length	
<ul> <li>between soft starter and motor maximum</li> </ul>	800 m
<ul> <li>at the digital inputs at DC maximum</li> </ul>	1 000 m
tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	14 24 N·m
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	124 210 lbf·in
• for auxiliary and control contacts with screw-type	7 10.3 lbf·in
terminals	
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m; Derating as of 1000 m, see catalog
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C; Please observe derating at temperatures of 40 °C or above
during storage and transport	-40 +80 °C
environmental category	
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
• during storage acc. to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
<ul> <li>during transport acc. to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	Vee
PROFINET standard	Yes
PROFINET high-feature	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
<ul> <li>of circuit breaker</li> </ul>	
<ul> <li>— usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
<ul> <li>— usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; lq max = 65 kA
<ul> <li>— usable for Standard Faults at 460/480 V at inside-delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq = 18 kA
<ul> <li>— usable for High Faults at 460/480 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; lq max = 65 kA
<ul> <li>— usable for Standard Faults at 575/600 V according to UL</li> </ul>	Siemens type: 3VA53, max. 400 A or 3VA54, max. 600 A; Iq = 18 kA
<ul> <li>— usable for High Faults at 575/600 V at inside- delta circuit according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; lq max = 65 kA

<ul> <li>— usable for Standard Faults at 575/600 V at</li> </ul>	
inside-delta circuit according to UL	Siemens type: 3VA54, max. 600 A; lq = 18 kA
of the fuse	
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 1000 A; Iq = 18 kA
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 1000 A; Iq = 100 kA
<ul> <li>— usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 1000 A; Iq = 18 kA
<ul> <li>— usable for High Faults at inside-delta circuit up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 1000 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	75 hp
<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	100 hp
<ul> <li>at 460/480 V at 50 °C rated value</li> </ul>	200 hp
● at 575/600 V at 50 °C rated value	250 hp
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	150 hp
<ul> <li>at 220/230 V at inside-delta circuit at 50 °C rated value</li> </ul>	200 hp
<ul> <li>at 460/480 V at inside-delta circuit at 50 °C rated value</li> </ul>	400 hp
<ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>	500 hp
contact rating of auxiliary contacts according to UL	R300-B300
Safety related data	
protection class IP on the front acc. to IEC 60529	IP00; IP20 with cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with cover
electromagnetic compatibility	acc. to IEC 60947-4-2
ATEX	
certificate of suitability	
• ATEX	Yes
• IECEx	Yes
<ul> <li>according to ATEX directive 2014/34/EU</li> </ul>	BVS 18 ATEX F 003 X
type of protection according to ATEX directive	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db],
2014/34/EU	I (M2) [Ex db Mb]
	I (M2) [Ex db Mb] 0
2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to	
2014/34/EU hardware fault tolerance acc. to IEC 61508 relating to ATEX PFDavg with low demand rate acc. to IEC 61508	0
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	0 0.008
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	0 0.008 0.0000005 1/h
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 to ATEX T1 value for proof test interval or service life acc. to	0 0.008 0.0000005 1/h SIL1
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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	0 0.008 0.0000005 1/h SIL1 3 y For use in bazard-
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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	0 0.008 0.0000005 1/h SIL1
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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	0 0.008 0.0000005 1/h SIL1 3 y For use in hazard-
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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	0 0.008 0.0000005 1/h SIL1 3 y For use in hazard-
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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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	0 0.008 0.0000005 1/h SIL1 3 y For use in hazard-
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 to ATEX T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX Certificates/ approvals	0 0.008 0.0000005 1/h SIL1 3 y EMC For use in hazard- ous locations





Type Test Certificates/Test Report







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=3RW5545-2HA06

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5545-2HA06

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5545-2HA06

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5545-2HA06&lang=en

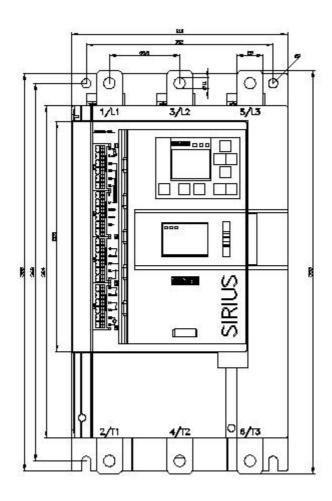
Characteristic: Tripping characteristics, I2t, Let-through current

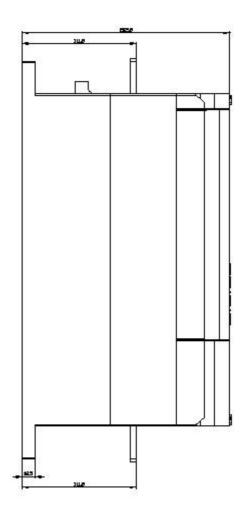
https://support.industry.siemens.com/cs/ww/en/ps/3RW5545-2HA06/char

Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5545-2HA06&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







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