## SIEMENS

## Data sheet

## 3RW5554-2HA06



SIRIUS soft starter 200-690 V 840 A, 24 V AC/DC Spring-type terminals

Fi	g	ur	e	s	im	il	ar	

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>	3VA2510-6HN32-0AA0; Type of coordination 1, Iq = 65 kA, CLASS 10			
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2510-6HN32-0AA0: Type of coordination 1, Iq = 65 kA. CLASS 10			
<ul> <li>of circuit breaker usable at 400 V at inside-delta circuit</li> </ul>	3VA2716-7AB05-0AA0: Type of coordination 1, Iq = 65 kA, CLASS 10			
<ul> <li>of circuit breaker usable at 500 V at inside-delta circuit</li> </ul>	3VA2716-7AB05-0AA0: 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 full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NB3351-1KK26: Type of coordination 2, Iq = 65 kA</u>			
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	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				
• CE marking	Yes			
UL approval	Yes			
CSA approval	Yes			
product component				
HMI-High Feature	Yes			

<ul> <li>is supported HMI-High Feature</li> </ul>	Yes
product feature integrated bypass contact system	Yes
number of controlled phases	3
trip class	CLASS 10A / 10E (default) / 20E / 30E; acc. to IEC 60947-4-2
current unbalance limiting value [%]	10 60 %
ground-fault monitoring limiting value [%]	10 95 %
buffering time in the event of power failure	
<ul> <li>for main current circuit</li> </ul>	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 protective separation	
between main and auxiliary circuit	690 V; does not apply for thermistor connection
shock resistance	15 g / 11 ms, from 6 g / 11 ms with potential contact lifting
vibration resistance	15 mm up to 6 Hz; 2 g up to 500 Hz
recovery time after overload trip adjustable	60 1 800 s
utilization category according to IEC 60947-4-2	AC 53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	02/11/2019
product function	
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes
<ul> <li>breakaway pulse</li> </ul>	Yes
<ul> <li>adjustable current limitation</li> </ul>	Yes
<ul> <li>creep speed in both directions of rotation</li> </ul>	Yes
<ul> <li>pump ramp down</li> </ul>	Yes
DC braking	Yes
motor heating	Yes
<ul> <li>slave pointer function</li> </ul>	Yes
<ul> <li>trace function</li> </ul>	Yes
<ul> <li>intrinsic device protection</li> </ul>	Yes
<ul> <li>motor overload protection</li> </ul>	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
<ul> <li>via software configurable</li> </ul>	Yes
screw terminal	No
<ul> <li>spring-loaded terminal</li> </ul>	Yes
PROFlenergy	Yes; in connection with the PROFINET Standard and PROFINET High-Feature communication modules
firmware update	Yes
<ul> <li>removable terminal for control circuit</li> </ul>	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

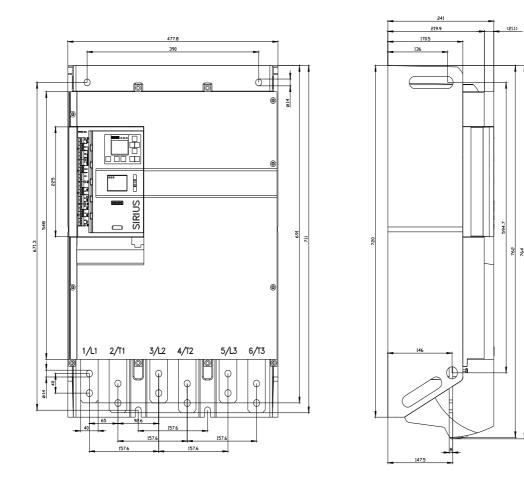
<ul> <li>automatic parameterisation</li> </ul>	Yes		
<ul> <li>application wizards</li> </ul>	Yes		
alternative run-down	Yes		
<ul> <li>emergency operation mode</li> </ul>	Yes		
<ul> <li>reversing operation</li> </ul>	Yes		
<ul> <li>soft starting at heavy starting conditions</li> </ul>	Yes		
Power Electronics			
operational current			
at 40 °C rated value	840 A		
at 40 °C rated value	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	200 690 V		
<ul> <li>at inside-delta circuit rated value</li> </ul>	200 600 V		
relative negative tolerance of the operating voltage	-15 %		
relative positive tolerance of the operating voltage	10 %		
relative negative tolerance of the operating voltage at 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		
<ul> <li>at 230 V at inside-delta circuit at 40 °C rated value</li> </ul>	450 kW		
• at 400 V at 40 °C rated value	450 kW		
<ul> <li>at 400 V at inside-delta circuit at 40 °C rated value</li> </ul>	800 kW		
• at 500 V at 40 °C rated value	560 kW		
<ul> <li>at 500 V at inside-delta circuit at 40 °C rated value</li> </ul>	900 kW		
<ul> <li>at 690 V at 40 °C rated value</li> </ul>	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			
	252 M		
<ul> <li>at 40 °C after startup</li> <li>at 50 °C after startup</li> </ul>	252 W		
	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/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 %		
	20 % 50 60 Hz		
AC at 60 Hz			

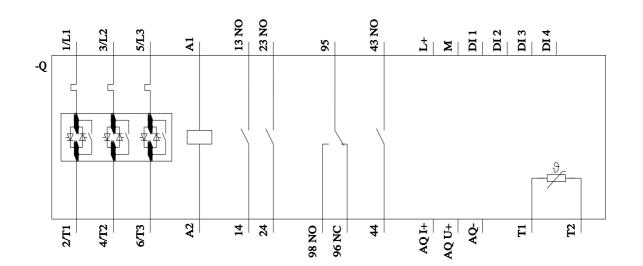
relative positive tolerance of the control supply voltage frequency	10 %				
control supply voltage					
at DC rated value	24 V				
relative negative tolerance of the control supply voltage at DC	-20 %				
relative positive tolerance of the control supply voltage at DC	20 %				
control supply current 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					
number of digital inputs	4				
parameterizable	4				
<ul> <li>number of digital outputs</li> </ul>	4				
<ul> <li>number of digital outputs parameterizable</li> </ul>	3				
<ul> <li>number of digital outputs not parameterizable</li> </ul>	1				
digital output version	3 normally-open contacts (NO) / 1 changeover contact (CO)				
number of analog outputs	1				
switching capacity current of the relay outputs					
• at AC-15 at 250 V rated value	3 A				
• at DC-13 at 24 V rated value	1 A				
Installation/ mounting/ dimensions					
mounting position	Vertical (can be rotated +/- $90^{\circ}$ and tilted forward or backward +/- $22.5^{\circ}$ )				
mounting position fastening method	Vertical (can be rotated +/- 90° and tilted forward or backward +/- 22.5°) screw fixing				
fastening method	screw fixing				
fastening method height	screw fixing 764 mm				
fastening method height width	screw fixing 764 mm 478 mm				
fastening method height width depth	screw fixing 764 mm 478 mm				
fastening method         height         width         depth         required spacing with side-by-side mounting	screw fixing 764 mm 478 mm 241 mm				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards	screw fixing 764 mm 478 mm 241 mm 10 mm				
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				
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				
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				
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 5 mm				
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 5 mm				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • downwards         • at the side         weight without packaging         Connections/ Terminals	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • 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				
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 busbar connection				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • 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	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • downwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • 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 spring-loaded terminals 55 mm				
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 control circuit         width of connection bar maximum         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 spring-loaded terminals 55 mm 50 m				
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 control circuit         • for control circuit         width of connection bar maximum         wite 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 spring-loaded terminals 55 mm				
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 control circuit         • for control circuit         width of connection bar maximum         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals 55 mm 50 m 150 m 250 m				
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 control circuit         • for control circuit         width of connection bar maximum         wite 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 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg				
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 control circuit         • for control circuit         width of connection bar maximum         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals 55 mm 50 m 150 m 250 m				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • 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         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • for DIN cable lug for main contacts stranded	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • upwards         • downwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for control circuit         width of connection bar maximum         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • 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 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg				
fastening method         height         width         depth         required spacing with side-by-side mounting         • forwards         • backwards         • backwards         • upwards         • downwards         • at the side         weight without packaging         Connections/ Terminals         type of electrical connection         • for control circuit         width of connection bar maximum         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-sections         • for DIN cable lug for main contacts stranded         • for DIN cable lug for main contacts finely stranded         type of connectable conductor cross-sections	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm <sup>2</sup> ) 2x (70 240 mm <sup>2</sup> )				
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 control circuit         width of connection bar maximum         width of connection bar maximum         with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-sections         • for DIN cable lug for main contacts stranded         • for DIN cable lug for main contacts finely stranded         type of connectable conductor cross-sections         • for control circuit solid	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 10 mm 10 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> )				
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         wite length for thermistor connection         • with conductor cross-section = 0.5 mm² maximum         • with conductor cross-section = 1.5 mm² maximum         • with conductor cross-section = 2.5 mm² maximum         • with conductor cross-sections         • for DIN cable lug for main contacts stranded         • for DIN cable lug for main contacts finely stranded         type of connectable conductor cross-sections         • for control circuit solid         • for control circuit solid	screw fixing 764 mm 478 mm 241 mm 10 mm 0 mm 10 mm 100 mm 75 mm 5 mm 45 kg busbar connection spring-loaded terminals 55 mm 50 m 150 m 250 m 2x (50 240 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> ) 2x (0.25 1.5 mm <sup>2</sup> )				

<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>	20 35 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>	177 310 lbf·in			
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	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			
<ul> <li>during storage and transport</li> </ul>	-40 +80 °C			
environmental category				
during operation according to IEC 60721	3K6 (no ice formation, only occasional condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6			
during storage according to IEC 60721	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
<ul> <li>during transport according 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				
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 the fuse</li> </ul>				
<ul> <li>— usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class J / L, max. 2500 A; Iq = 42 kA			
— usable for High Faults up to 575/600 V according to UL	Type: Class J / L, max. 2500 A; lq = 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. 2500 A; Iq = 42 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. 2500 A; Iq = 100 kA			
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 575/600 V at 50 °C rated value	800 hp			
<ul> <li>at 200/208 V at inside-delta circuit at 50 °C rated value</li> </ul>	450 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	1 150 hp			
<ul> <li>at 575/600 V at inside-delta circuit at 50 °C rated value</li> </ul>	1 450 hp			
contact rating of auxiliary contacts according to UL	R300-B300			
Safety related data				
protection class IP on the front according to IEC 60529	IP00			
electromagnetic compatibility	acc. to IEC 60947-4-2			
ATEX	act. to IEC 00547-4-2			
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 2014/34/EU	II (2)G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb], II (2)D [Ex tb Db] [Ex pxb Db], I (M2) [Ex db Mb]			
hardware fault tolerance according to IEC 61508 relating to ATEX	0			

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PFDavg with low demand rate according to IEC 61508 relating to ATEX						
PFHD with high demand rate according to EN 62061 relating to ATEX			5E-7 1/h			
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX			SIL1			
T1 value for proof test interval or s IEC 61508 relating to ATEX	service life according to	3 а				
Certificates/ approvals						
General Product Approval					EMC	
	Confirmatio	<u>nc</u>		EHC	RCM	
For use in hazardous locations	Declaration of formity	Con-	Test Certificates	Marine / Shipping		
	EX CE		Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS	
Marine / Shipping	other					
Lloyds Kegister us Pi	<u>Confirmatio</u> s	<u>on</u>				
urther information						
urther information Siemens has decided to exit the R	ussian market (see here).					
https://press.siemens.com/global/en/	pressrelease/siemens-wind-do		an-business			
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).						
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=3RW5554-2HA06						
Cax online generator	<u>, , , , , , , , , , , , , , , , , , , </u>					
http://support.automation.siemens.cc Service&Support (Manuals, Certifi	cates, Characteristics, FAQs	s,)	<u>&amp;mltb=3RW5554-2H/</u>	<u>106</u>		
<u>https://support.industry.siemens.com/cs/ww/en/ps/3RW5554-2HA06</u> Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)						
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5554-2HA06⟨=en Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current						
https://support.industry.siemens.com/cs/ww/en/ps/3RW5554-2HA06/char Characteristic: Installation altitude						
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5554-2HA06&objecttype=14&gridview=view1						

Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/101494917





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