## SIEMENS

## Data sheet

## 3RW5055-2AB04



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Spring-loaded terminals Analog output

product brand name	SIRIUS			
product category	Hybrid switching devices			
product designation	Soft starter			
product type designation	3RW50			
manufacturer's article number				
<ul> <li>of standard HMI module usable</li> </ul>	<u>3RW5980-0HS01</u>			
<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 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>	<u>3VA2220-7MN32-0AA0; Type of assignment 1, lq = 20 kA</u>			
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	<u>3VA2220-7MN32-0AA0; Type of assignment 1, lq = 20 kA</u>			
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	<u>3NA3244-6: Type of coordination 1, Iq = 65 kA</u>			
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	<u>3NE1 227-0; 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>	<u>3NE3 334 -0B; Type of coordination 2, Iq = 65 kA</u>			
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1055</u>			
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1055</u>			
General technical data				
starting voltage [%]	30 100 %			
stopping voltage [%]	50 %; non-adjustable			
start-up ramp time of soft starter	0 20 s			
ramp-down time of soft starter	0 20 s			
current limiting value [%] adjustable	130 700 %			
accuracy class according to IEC 61557-12	5 %			
certificate of suitability				
CE marking	Yes			
UL approval	Yes			
CSA approval	Yes			
product component				
HMI-High Feature	No			
<ul> <li>is supported HMI-Standard</li> </ul>	Yes			
<ul> <li>is supported HMI-High Feature</li> </ul>	Yes			
product feature integrated bypass contact system	Yes			
number of controlled phases	2			
trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2			

buffering time in the event of power failure	-			
for main current circuit	100 ms			
for control circuit	100 ms			
insulation voltage rated value	600 V			
degree of pollution				
impulse voltage rated value	_ 3, acc. to iec 60947-4-2 6 kV			
blocking voltage of the thyristor maximum				
service factor	1 400 V			
	1			
surge voltage resistance rated value	6 kV			
<ul> <li>maximum permissible voltage for safe isolation</li> <li>between main and auxiliary circuit</li> </ul>	600.) <i>(</i>			
· · · · · · · · · · · · · · · · · · ·	600 V			
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting			
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz			
utilization category according to IEC 60947-4-2	AC-53a			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	09/23/2019			
product function				
<ul> <li>ramp-up (soft starting)</li> </ul>	Yes			
<ul> <li>ramp-down (soft stop)</li> </ul>	Yes			
Soft Torque	Yes			
<ul> <li>adjustable current limitation</li> </ul>	Yes			
<ul> <li>pump ramp down</li> </ul>	Yes			
<ul> <li>intrinsic device protection</li> </ul>	Yes			
<ul> <li>motor overload protection</li> </ul>	Yes; Electronic motor overload protection			
<ul> <li>evaluation of thermistor motor protection</li> </ul>	No			
● auto-RESET	Yes			
manual RESET	Yes			
remote reset	Yes; By turning off the control supply voltage			
<ul> <li>communication function</li> </ul>	Yes			
<ul> <li>operating measured value display</li> </ul>	Yes; Only in conjunction with special accessories			
error logbook	Yes; Only in conjunction with special accessories			
<ul> <li>via software parameterizable</li> </ul>	No			
<ul> <li>via software configurable</li> </ul>	Yes			
PROFlenergy	Yes; in connection with the PROFINET Standard communication module			
<ul> <li>voltage ramp</li> </ul>	Yes			
torque control	No			
<ul> <li>analog output</li> </ul>	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)			
Power Electronics				
operational current				
• at 40 °C rated value	143 A			
● at 50 °C rated value	128 A			
• at 60 °C rated value	118 A			
operating voltage				
rated value	200 480 V			
relative negative tolerance of the operating voltage	-15 %			
relative positive tolerance of the operating voltage	10 %			
operating power for 3-phase motors				
• at 230 V at 40 °C rated value	37 kW			
<ul> <li>at 400 V at 40 °C rated value</li> </ul>	75 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 %			
relative positive tolerance of the operating frequency				
adjustable motor current				
	68 A			
adjustable motor current				
<ul><li>adjustable motor current</li><li>at rotary coding switch on switch position 1</li></ul>	68 A			

<ul> <li>at rotary coding switch on switch position 5</li> </ul>	88 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	93 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	98 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	103 A
<ul> <li>at rotary coding switch on switch position 9</li> </ul>	108 A
<ul> <li>at rotary coding switch on switch position 10</li> </ul>	113 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	118 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	123 A
<ul> <li>at rotary coding switch on switch position 12</li> <li>at rotary coding switch on switch position 13</li> </ul>	128 A
	133 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	
at rotary coding switch on switch position 15	138 A
• at rotary coding switch on switch position 16	143 A
• minimum	68 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
<ul> <li>at 40 °C after startup</li> </ul>	23 W
<ul> <li>at 50 °C after startup</li> </ul>	19 W
<ul> <li>at 60 °C after startup</li> </ul>	16 W
power loss [W] at AC at current limitation 350 %	
• at 40 °C during startup	1 336 W
• at 50 °C during startup	1 134 W
• at 60 °C during startup	1 007 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	-20 %
voltage at DC	
relative positive tolerance of the control supply voltage at DC	20 %
control supply current in standby mode rated value	160 mA
holding current in bypass operation rated value	360 mA
locked-rotor current at close of bypass contact	7.6 A
maximum	
inrush current peak at application of control supply voltage maximum	3.3 A
duration of inrush current peak at application of control supply voltage	12.1 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	1
number of digital outputs	3
not parameterizable	2
	-

digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)		
number of analog outputs	2 normally-open contacts (NO) / 1 changeover contact (CO) 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	1 A		
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting		
mounting position	surface +/- 22.5° tiltable to the front and back		
fastening method	screw fixing		
height	198 mm		
width	120 mm		
depth	249 mm		
required spacing with side-by-side mounting			
forwards	10 mm		
backwards	0 mm		
• upwards	100 mm		
<ul> <li>downwards</li> </ul>	75 mm		
at the side	5 mm		
weight without packaging	3.2 kg		
Connections/ Terminals			
type of electrical connection			
<ul> <li>for main current circuit</li> </ul>	busbar connection		
for control circuit	spring-loaded terminals		
width of connection bar maximum	25 mm		
type of connectable conductor cross-sections			
<ul> <li>for main contacts for box terminal using the front clamping point solid</li> </ul>	16 120 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	16 120 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded without core end processing</li> </ul>	10 120 mm²		
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	16 70 mm²		
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	6 250 kcmil		
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	16 120 mm²		
<ul> <li>at AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	6 250 kcmil		
• for main contacts for box terminal using both clamping points solid	max. 1x 95 mm², 1x 120 mm²		
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²		
<ul> <li>for main contacts for box terminal using both clamping points finely stranded without core end processing</li> </ul>	max. 1x 95 mm², 1x 120 mm²		
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	max. 2x 120 mm <sup>2</sup>		
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	16 120 mm²		
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	10 120 mm²		
<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	16 120 mm²		
type of connectable conductor cross-sections			
<ul> <li>at AWG cables for main current circuit solid</li> </ul>	4 250 kcmil		
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	16 95 mm²		
for DIN cable lug for main contacts finely stranded	25 120 mm²		
type of connectable conductor cross-sections			
for control circuit solid	2x (0.25 1.5 mm²)		

<ul> <li>for control circuit finely stranded with core end</li> </ul>	2x (0.25 1.5 mm²)			
processing	0v (04 16)			
at AWG cables for control circuit solid	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 AC maximum</li> </ul>	1 000 m			
tightening torque				
<ul> <li>for main contacts with screw-type terminals</li> </ul>	10 14 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>	89 124 lbf-in			
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	7 10.3 lbf·in			
Ambient conditions				
installation altitude at height above sea level maximum	5 000 m; derating as of 1000 m, see Manual			
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			
<ul> <li>during storage according to IEC 60721</li> </ul>	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				
communication module is supported				
PROFINET standard	Yes			
	Yes Yes			
PROFINET standard				
PROFINET standard     EtherNet/IP	Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> </ul>	Yes Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul>	Yes Yes Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> </ul>	Yes Yes Yes			
PROFINET standard     EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS UL/CSA ratings	Yes Yes Yes			
PROFINET standard     EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings manufacturer's article number	Yes Yes Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> </ul>	Yes Yes Yes Yes			
PROFINET standard     EtherNet/IP     Modbus RTU     Modbus TCP     PROFIBUS  UL/CSA ratings  manufacturer's article number     of circuit breaker     — usable for Standard Faults at 460/480 V	Yes Yes Yes Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>— usable for Standard Faults up to 575/600 V</li> </ul>	Yes Yes Yes Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number         <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA			
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<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>according to UL</li> <li>bit for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> </ul> </li> </ul>	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>— usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>— usable for Standard Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for High Faults up to 575/600 V according to UL</li> <li>— usable for Jphase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> <li>UL/CSA ratings</li> <li>manufacturer's article number</li> <li>of circuit breaker         <ul> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>Safety related data</li> </ul> </li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul> <li>of the fuse <ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> </li> <li>operating power [hp] for 3-phase motors <ul> <li>at 220/208 V at 50 °C rated value</li> <li>at 220/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data <ul> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 40 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX <ul> <li>certificate of suitability</li> <li>ATEX</li> </ul>	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp 100 hp IP00; IP20 with cover finger-safe, for vertical contact from the front with cover Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>of the fuse</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> Safety related data protection class IP on the front according to IEC 60529 ATEX <ul> <li>certificate of suitability</li> <li>ATEX</li> <li>IECEx</li> </ul>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp 100 hp 100 hp			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>operating power [hp] for 3-phase motors</li> <li>at 200/208 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> <li>Safety related data <ul> <li>protection class IP on the front according to IEC 60529</li> </ul> </li> <li>ATEX <ul> <li>IECEx</li> <li>hardware fault tolerance according to IEC 61508</li> <li>relating to ATEX</li> </ul> </li>	Yes Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp 100 hp IP00; IP20 with cover finger-safe, for vertical contact from the front with cover Yes			
<ul> <li>PROFINET standard</li> <li>EtherNet/IP</li> <li>Modbus RTU</li> <li>Modbus TCP</li> <li>PROFIBUS</li> </ul> UL/CSA ratings manufacturer's article number <ul> <li>of circuit breaker</li> <li>usable for Standard Faults at 460/480 V according to UL</li> <li>of the fuse</li> <li>usable for Standard Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> <li>usable for High Faults up to 575/600 V according to UL</li> </ul> <li>operating power [hp] for 3-phase motors <ul> <li>at 200/208 V at 50 °C rated value</li> <li>at 220/230 V at 50 °C rated value</li> <li>at 460/480 V at 50 °C rated value</li> </ul> </li> <li>Safety related data <ul> <li>protection class IP on the front according to IEC 60529</li> </ul> </li> <li>ATEX <ul> <li>IECEx</li> <li>hardware fault tolerance according to IEC 61508</li> </ul> </li>	Yes Yes Yes Siemens type: 3VA5225, max. 250 A; lq = 10 kA Type: Class RK5 / K5, max. 350 A; lq = 10 kA Type: Class J, max. 350 A; lq = 100 kA 40 hp 40 hp 100 hp 100 hp 100 hp			

PFHD with high demand rate according to EN 62061 relating to ATEX		9E-6 1/h			
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX		SIL1			
	est interval or service 508 relating to ATEX		3 у		
Certificates/ approval	s				
General Product Ap	oproval				For use in hazard- ous locations
		<u>Confirmatio</u>		EHC	<b>Ex</b> ATEX
For use in hazard- ous locations	Declaration of Conformity	Test Certifica	tes Marine / Shipping		
IECEx IECEx	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Rep		Lloyd's Register us	PRS
other					
<b>Confirmation</b>					

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=3RW5055-2AB04
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5055-2AB04
Service&Support (Manuals, Certificates, Characteristics, FAQs,)
https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB04
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5055-2AB04⟨=en
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB04/char
Characteristic: Installation altitude
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5055-2AB04&objecttype=14&gridview=view1
Simulation Tool for Soft Starters (STS)
https://support.industry.siemens.com/cs/ww/en/view/101494917

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