SIEMENS

Data sheet 3RW5224-3AC04



SIRIUS soft starter 200-480 V 47 A, 24 V AC/DC spring-type terminals Analog output

product category Hybrid switching devices Soft starter				
product designation product type designation manufacturer's article number of standard HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of back-up R fuse link for semiconductor protection usable up to 690 V of starter 3RW5980-0CB00 3RW5980-0H500 3RW5980-0CB00 3RW5980-0CP00	product brand name	SIRIUS		
product type designation manufacturer's article number of standard HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 400 V and inside-delta circuit of the gG fuse usable at 500 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of back-up R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection arw5980-0CF00 3RW5980-0CF00 3RW5	product category	Hybrid switching devices		
manufacturer's article number of standard HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 400 V of circuit breaker usable at 400 V at inside-delta circuit of the gG fuse usable at 500 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of back-up R fuse link for semiconductor protection usable 3RW5980-0CP00 3RW598	product designation	Soft starter		
 of standard HMI module usable of high feature HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of the gG fuse usable at inside-delta circuit up to 500 V of the gG fuse usable in k for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of standard HMI module usable 3RW5980-0CS00 3RW5980-0CP00 3RW5980-0CP00 3RW5980-0CP00 3RW5980-0CD00 3RW5980-0CD00 3RW5980-0CD00 3RW5980-0CD00 3RW5980-0CP00 3RW5980-0CD00 3RW5980-0CP00 3RW5980-0CD00 3RW5980-0CD0	product type designation	3RW52		
 of high feature HMI module usable of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of high feature MMI module usable 3RW5980-0C500 3RW5980-0CP00 3RW5980-0CP00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CF00 <l< td=""><td>manufacturer's article number</td><td></td></l<>	manufacturer's article number			
 of communication module PROFINET standard usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CE00 3RW5980-0CR00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CE00 3RW5980-0CR00 3RW5980-0CE00 3RW5980-0CE00<	 of standard HMI module usable 	3RW5980-0HS00		
usable of communication module PROFIBUS usable of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection a RW5980-0CP00 3RW5980-0CR00 3RW5980-0CE00 3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA	 of high feature HMI module usable 	3RW5980-0HF00		
 of communication module Modbus TCP usable of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CT00 3RW5980-0CE00 3RW2032-4JA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4JA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 		3RW5980-0CS00		
 of communication module Modbus RTU usable of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CR00 3RW5980-0CR00 3RW2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	 of communication module PROFIBUS usable 	3RW5980-0CP00		
 of communication module Ethernet/IP of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RW5980-0CE00 3RW2032-4JA10: Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1021-2: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 	 of communication module Modbus TCP usable 	3RW5980-0CT00		
 of circuit breaker usable at 400 V of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection of circuit breaker usable at 400 V at inside-delta circuit up to 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	 of communication module Modbus RTU usable 	3RW5980-0CR00		
 of circuit breaker usable at 500 V of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3RV2032-4RA10; Type of coordination 1, Iq = 65 kA 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	 of communication module Ethernet/IP 	3RW5980-0CE00		
 of circuit breaker usable at 400 V at inside-delta circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10: Type of coordination 1, Iq = 65 kA. CLASS 10 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1021-2: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 	 of circuit breaker usable at 400 V 	3RV2032-4JA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
 of circuit of circuit breaker usable at 500 V at inside-delta circuit of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	 of circuit breaker usable at 500 V 	3RV2032-4JA10; Type of coordination 1, Iq = 10 kA, CLASS 10		
 of the gG fuse usable up to 690 V of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3NA3824-6: Type of coordination 1, Iq = 65 kA 3NE1021-2: Type of coordination 2, Iq = 65 kA 3NE8024-1: Type of coordination 2, Iq = 65 kA 		3RV2032-4RA10; Type of coordination 1, Iq = 65 kA, CLASS 10		
 of the gG fuse usable at inside-delta circuit up to 500 V of full range R fuse link for semiconductor protection usable up to 690 V of back-up R fuse link for semiconductor protection 3NA3824-6; Type of coordination 1, Iq = 65 kA 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 		3RV2032-4RA10; Type of coordination 1, Iq = 10 kA, CLASS 10		
 500 V • of full range R fuse link for semiconductor protection usable up to 690 V • of back-up R fuse link for semiconductor protection 3NE1021-2; Type of coordination 2, Iq = 65 kA 3NE8024-1; Type of coordination 2, Iq = 65 kA 	 of the gG fuse usable up to 690 V 	3NA3824-6; Type of coordination 1, Iq = 65 kA		
usable up to 690 V ● of back-up R fuse link for semiconductor protection 3NE8024-1; Type of coordination 2, Iq = 65 kA		3NA3824-6; Type of coordination 1, Iq = 65 kA		
		3NE1021-2; Type of coordination 2, Iq = 65 kA		
		3NE8024-1; Type of coordination 2, Iq = 65 kA		

General technical data		
starting voltage [%]	30 100 %	
stopping voltage [%]	50 50 %	
start-up ramp time of soft starter	0 20 s	
current limiting value [%] adjustable	130 700 %	
certificate of suitability		
CE marking	Yes	
 UL approval 	Yes	
CSA approval	Yes	
product component is supported		
HMI-Standard	Yes	
HMI-High Feature	Yes	
product feature integrated bypass contact system	Yes	
number of controlled phases	3	
trip class	CLASS 10A (default) / 10E / 20E; acc. to IEC 60947-4-2	

buffering time in the great of name fallows			
buffering time in the event of power failure	400		
for main current circuit	100 ms		
for control circuit	100 ms		
insulation voltage rated value	600 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		
surge voltage resistance rated value	6 kV		
maximum permissible voltage for safe isolation			
 between main and auxiliary circuit 	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 acc. to IEC 60947-4-2	AC 53a		
reference code acc. to IEC 81346-2	Q		
Substance Prohibitance (Date)	15.02.2018 00:00:00		
product function			
• ramp-up (soft starting)	Yes		
• ramp-down (soft stop)	Yes		
Soft Torque	Yes		
adjustable current limitation	Yes		
pump ramp down	Yes		
intrinsic device protection	Yes		
motor overload protection	Yes; Electronic motor overload protection		
 evaluation of thermistor motor protection 	No		
• inside-delta circuit	Yes		
auto-RESET	Yes		
manual RESET	Yes		
• remote reset	Yes; By turning off the control supply voltage		
communication function	Yes		
operating measured value display	Yes; Only in conjunction with special accessories		
• error logbook	Yes; Only in conjunction with special accessories		
via software parameterizable	No		
via software configurable	Yes		
PROFlenergy	Yes; in connection with the PROFINET Standard communication		
, itemorially	module		
firmware update	Yes		
 removable terminal for control circuit 	Yes		
• torque control	No		
analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature		
	HMI)		
Power Electronics			
operational current			
at 40 °C rated value	47 A		
at 50 °C rated value	42 A		
at 60 °C rated value	36 A		
operational current at inside-delta circuit			
at 40 °C rated value	81.4 A		
• at 50 °C rated value	72 A		
• at 60 °C rated value	62.7 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	-15 %		
inside-delta circuit			
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	11 kW		

- ct 000 \/ ct incid- d-ltiit - (40 00)	20 1/1/
at 230 V at inside-delta circuit at 40 °C rated value t 400 V at 40 °C rated value	22 kW
• at 400 V at 40 °C rated value	22 kW
at 400 V at inside-delta circuit at 40 °C rated value	45 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 %
adjustable motor current	20.4
at rotary coding switch on switch position 1	20 A
at rotary coding switch on switch position 2	21.8 A
 at rotary coding switch on switch position 3 	23.6 A
at rotary coding switch on switch position 4	25.4 A
at rotary coding switch on switch position 5	27.2 A
at rotary coding switch on switch position 6	29 A
 at rotary coding switch on switch position 7 	30.8 A
 at rotary coding switch on switch position 8 	32.6 A
at rotary coding switch on switch position 9	34.4 A
at rotary coding switch on switch position 10	36.2 A
at rotary coding switch on switch position 11	38 A
at rotary coding switch on switch position 12	39.8 A
at rotary coding switch on switch position 13	41.6 A
at rotary coding switch on switch position 14	43.4 A
at rotary coding switch on switch position 15	45.2 A
 at rotary coding switch on switch position 16 	47 A
• minimum	20 A
• for inside-delta circuit at rotary coding switch on switch position 4.	34.6 A
 switch position 1 for inside-delta circuit at rotary coding switch on switch position 2 	37.8 A
for inside-delta circuit at rotary coding switch on switch position 3	40.9 A
for inside-delta circuit at rotary coding switch on switch position 4	44 A
 for inside-delta circuit at rotary coding switch on switch position 5 	47.1 A
 for inside-delta circuit at rotary coding switch on switch position 6 	50.2 A
 for inside-delta circuit at rotary coding switch on switch position 7 	53.3 A
 for inside-delta circuit at rotary coding switch on switch position 8 	56.5 A
for inside-delta circuit at rotary coding switch on switch position 9	59.6 A
for inside-delta circuit at rotary coding switch on switch position 10 for inside delta circuit at rotary coding switch on	62.7 A
 for inside-delta circuit at rotary coding switch on switch position 11 for inside-delta circuit at rotary coding switch on 	65.8 A 68.9 A
ior inside-delta circuit at rotary coding switch on switch position 12 for inside-delta circuit at rotary coding switch on	72.1 A
switch position 13 for inside-delta circuit at rotary coding switch on	75.2 A
switch position 14 • for inside-delta circuit at rotary coding switch on	78.3 A
switch position 15 • for inside-delta circuit at rotary coding switch on	81.4 A
switch position 16 • at inside-delta circuit minimum	34.6 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	,
• at 40 °C after startup	26 W
• at 50 °C after startup	24 W
at 60 °C after startup	23 W
at 00 Gaiter startup	20 11

power loss [W] at AC at current limitation 350 %				
 at 40 °C during startup 	606 W			
 at 50 °C during startup 	522 W			
at 60 °C during startup	438 W			
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	10 %			
voltage frequency				
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	160 mA			
holding current in bypass operation rated value	380 mA			
locked-rotor current at close of bypass contact maximum	7.6 A			
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 inputs for thermistor connection	0			
number of digital outputs	3			
not parameterizable	2			
digital output version	2 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	+/- 10° rotation possible and can be tilted forward or backward on			
fastening method	vertical mounting surface screw fixing			
height	306 mm			
width	185 mm			
	203 mm			
depth	200 111111			
required spacing with side-by-side mounting	10 mm			
• forwards	10 mm			
backwards	0 mm			
• upwards	100 mm			
• downwards	75 mm			
at the side	5 mm			

weight without packaging	5.2 kg		
Connections/ Terminals			
type of electrical connection			
 for main current circuit 	box terminal		
for control circuit	spring-loaded terminals		
width of connection bar maximum	25 mm		
type of connectable conductor cross-sections			
 for main contacts for box terminal using the front clamping point solid 	1x (2.5 16 mm²)		
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	1x (2.5 50 mm²)		
 for main contacts for box terminal using the front clamping point stranded 	1x (10 70 mm²)		
 at AWG cables for main contacts for box terminal using the front clamping point 	1x (10 2/0)		
 for main contacts for box terminal using the back clamping point solid 	1x (2.5 16 mm²)		
 at AWG cables for main contacts for box terminal using the back clamping point 	1x (10 2/0)		
 for main contacts for box terminal using both clamping points solid 	2x (2.5 16 mm²)		
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	2x (2.5 35 mm²)		
 for main contacts for box terminal using both clamping points stranded 	2x (6 16 mm²), 2x (10 50 mm²)		
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	1x (2.5 50 mm²)		
 for main contacts for box terminal using the back clamping point stranded 	1x (10 70 mm²)		
type of connectable conductor cross-sections			
 for control circuit solid 	2x (0.25 1.5 mm²)		
 for control circuit finely stranded with core end processing 	2x (0.25 1.5 mm²)		
 at AWG cables for control circuit solid 	2x (24 16)		
 at AWG cables for control circuit finely stranded with core end processing 	2x (24 16)		
wire length			
 between soft starter and motor maximum 	800 m		
 at the digital inputs at AC maximum 	100 m		
 at the digital inputs at DC maximum 	1 000 m		
tightening torque			
 for main contacts with screw-type terminals 	4.5 6 N·m		
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m		
tightening torque [lbf·in]			
 for main contacts with screw-type terminals 	40 53 lbf·in		
 for auxiliary and control contacts with screw-type terminals 	7 10.3 lbf·in		
Ambient conditions			
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see catalog		
ambient temperature			
during operation	-25 +60 °C; Please observe derating at temperatures of 40 °C or above		
during storage and transport	-40 +80 °C		
environmental category			
 during operation acc. 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 acc. to IEC 60721 	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4		
 during transport acc. to IEC 60721 	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				
• EtherNet/IP	Yes				
Modbus RTU	Yes				
Modbus TCP	Yes				
PROFIBUS	Yes				
UL/CSA ratings					
manufacturer's article number					
of circuit breaker					
 usable for Standard Faults at 460/480 V according to UL 	Siemens type: 3RV2742, ma	ax. 70 A or 3VA51, max	x. 90 A; Iq = 5 kA		
 usable for High Faults at 460/480 V according to UL 	Siemens type: 3VA51, max.	60 A; Iq max = 65 kA			
 usable for Standard Faults at 460/480 V at inside-delta circuit according to UL 	Siemens type: 3VA51, max.	90 A; Iq = 5 kA			
 usable for High Faults at 460/480 V at inside- delta circuit according to UL 	Siemens type: 3VA51, max. 60 A; Iq max = 65 kA				
 usable for Standard Faults at 575/600 V according to UL 	Siemens type: 3RV2742, max. 70 A or 3VA51, max. 90 A; Iq = 5 kA				
 usable for Standard Faults at 575/600 V at inside-delta circuit according to UL 	Siemens type: 3VA51, max. 90 A; Iq = 5 kA				
• of the fuse					
 usable for Standard Faults up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 175 A; lq = 5 kA				
 usable for High Faults up to 575/600 V according to UL 	Type: Class J / L, max. 175 A; Iq = 100 kA				
 usable for Standard Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class RK5 / K5, max. 175 A; lq = 5 kA				
 usable for High Faults at inside-delta circuit up to 575/600 V according to UL 	Type: Class J / L, max. 175 A; Iq = 100 kA				
operating power [hp] for 3-phase motors					
 at 200/208 V at 50 °C rated value 	10 hp				
 at 220/230 V at 50 °C rated value 	10 hp	10 hp			
 at 460/480 V at 50 °C rated value 	30 hp				
 at 200/208 V at inside-delta circuit at 50 °C rated value 	20 hp				
 at 220/230 V at inside-delta circuit at 50 °C rated value 	25 hp				
at 460/480 V at inside-delta circuit at 50 °C rated value	50 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	in accordance with IEC 6094	17-4-2			
Certificates/ approvals					
General Product Approval		EMC	Declaration of Conformity		













Test Certificates

Marine / Shipping

Type Test Certificates/Test Report











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=3RW5224-3AC04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5224-3AC04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3AC04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5224-3AC04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

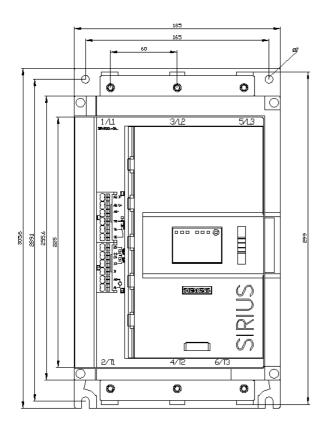
https://support.industry.siemens.com/cs/ww/en/ps/3RW5224-3AC04/char

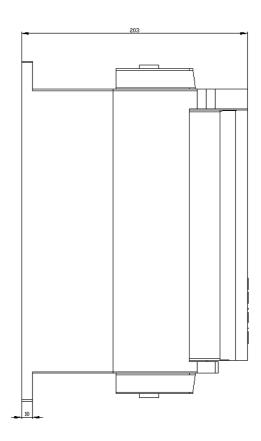
Characteristic: Installation altitude

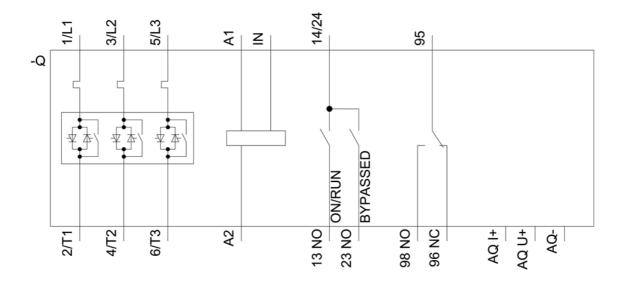
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5224-3AC04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 8/10/2021 🖸