SIEMENS

Data sheet

3RW5072-2AB15



SIRIUS soft starter 200-600 V 210 A, 110-250 V AC Spring-loaded terminals Analog output

Figure similar

product brand name	SIRIUS				
product category	Hybrid switching devices				
product designation	Soft starter				
product type designation	3RW50				
manufacturer's article number					
 of standard HMI module usable 	<u>3RW5980-0HS01</u>				
 of high feature HMI module usable 	<u>3RW5980-0HF00</u>				
 of communication module PROFINET standard usable 	<u>3RW5980-0CS00</u>				
 of communication module PROFIBUS usable 	<u>3RW5980-0CP00</u>				
 of communication module Modbus TCP usable 	<u>3RW5980-0CT00</u>				
 of communication module Modbus RTU usable 	<u>3RW5980-0CR00</u>				
 of communication module Ethernet/IP 	<u>3RW5980-0CE00</u>				
 of circuit breaker usable at 400 V 	3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA				
 of circuit breaker usable at 500 V 	3VA2440-7MN32-0AA0: Type of assignment 1, lq = 65 kA				
 of the gG fuse usable up to 690 V 	2x3NA3354-6; Type of coordination 1, Iq = 65 kA				
 of full range R fuse link for semiconductor protection usable up to 690 V 	<u>3NE1 230-2; Type of coordination 2, Iq = 65 kA</u>				
 of back-up R fuse link for semiconductor protection usable up to 690 V 	<u>3NE3 333; Type of coordination 2, lq = 65 kA</u>				
 of line contactor usable up to 480 V 	<u>3RT1064</u>				
 of line contactor usable up to 690 V 	<u>3RT1064</u>				
Seneral technical data					
starting voltage [%]	30 100 %				
stopping voltage [%]	50 50 %				
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 acc. to IEC 61557-12	5 %				
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	2				

trip class	CLASS 104 / 10E (preset) / 20E: acc. to IEC 60947-4-2				
buffering time in the event of power failure	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2				
for main current circuit	100 ms				
for control circuit	100 ms 100 ms				
insulation voltage rated value	600 V				
degree of pollution					
impulse voltage rated value					
blocking voltage of the thyristor maximum	6 kV				
service factor	1 600 V				
surge voltage resistance rated value	_ 1 6 kV				
maximum permissible voltage for safe isolation					
between main and auxiliary circuit	600 V				
shock resistance					
vibration resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting				
reference code acc. to IEC 81346-2	15 mm to 6 Hz; 2g to 500 Hz				
Substance Prohibitance (Date)	Q 22.00.2010.00:00:00				
product function	23.09.2019 00:00:00				
	Vec				
 ramp-up (soft starting) ramp down (soft stop) 	Yes				
ramp-down (soft stop) Soft Torque					
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				
• 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 module				
 voltage ramp 	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	210 A				
• at 50 °C rated value	186 A				
• at 60 °C rated value	170 A				
operating voltage					
rated value	200 600 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	55 kW				
• at 400 V at 40 °C rated value	110 kW				
• at 500 V at 40 °C rated value	132 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					
 at rotary coding switch on switch position 1 	90 A				
 at rotary coding switch on switch position 2 	98 A				

 at rotary coding switch on switch position 3 	106 A				
 at rotary coding switch on switch position 4 	114 A				
 at rotary coding switch on switch position 5 	122 A				
 at rotary coding switch on switch position 6 	130 A				
 at rotary coding switch on switch position 7 	138 A				
	138 A 146 A				
 at rotary coding switch on switch position 8 					
at rotary coding switch on switch position 9	154 A				
 at rotary coding switch on switch position 10 	162 A				
 at rotary coding switch on switch position 11 	170 A				
 at rotary coding switch on switch position 12 	178 A				
 at rotary coding switch on switch position 13 	186 A				
 at rotary coding switch on switch position 14 	194 A				
 at rotary coding switch on switch position 15 	202 A				
 at rotary coding switch on switch position 16 	210 A				
• minimum	90 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	16 W				
• at 50 °C after startup	13 W				
• at 60 °C after startup	11 W				
power loss [W] at AC at current limitation 350 %					
	2 227 M				
• at 40 °C during startup	2 237 W				
• at 50 °C during startup	1 867 W				
at 60 °C during startup	1 637 W				
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz	110 250 V				
• at 60 Hz	110 250 V				
relative negative tolerance of the control supply voltage at AC at 50 Hz	-15 %				
	-15 % 10 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply					
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply	10 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply	10 % -15 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz	10 % -15 % 10 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency	10 % -15 % 10 % 50 60 Hz				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply	10 % -15 % 10 % 50 60 Hz				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply	10 % -15 % 10 % 50 60 Hz -10 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency	10 % -15 % 10 % 50 60 Hz -10 %				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms				
voltage at AC at 50 Hzrelative positive tolerance of the control supply voltage at AC at 50 Hzrelative negative tolerance of the control supply voltage at AC at 60 Hzrelative positive tolerance of the control supply voltage at AC at 60 Hzcontrol supply voltage frequencyrelative negative tolerance of the control supply voltage at AC at 60 Hzcontrol supply voltage frequencyrelative negative tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencycontrol supply current in standby mode rated valueholding current in bypass operation rated valuelocked-rotor current at close of bypass contact maximuminrush current peak at application of control supply voltage maximumduration of inrush current peak at application of control supply voltagedesign of the overvoltage protection	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply				
voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply current in standby mode rated value holding current in bypass operation rated value locked-rotor current at close of bypass contact maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuit Inputs/ Outputs number of digital inputs number of inputs for thermistor connection	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply				
voltage at AC at 50 Hzrelative positive tolerance of the control supply voltage at AC at 50 Hzrelative negative tolerance of the control supply voltage at AC at 60 Hzrelative positive tolerance of the control supply voltage at AC at 60 Hzcontrol supply voltage frequencyrelative negative tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencycontrol supply current in standby mode rated valueholding current in bypass operation rated valuelocked-rotor current at close of bypass contact maximuminrush current peak at application of control supply voltage maximumduration of inrush current peak at application of control supply voltagedesign of the overvoltage protection design of short-circuit protection for control circuitInputs/ Outputs number of digital inputs number of digital outputs	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				
voltage at AC at 50 Hzrelative positive tolerance of the control supply voltage at AC at 50 Hzrelative negative tolerance of the control supply voltage at AC at 60 Hzrelative positive tolerance of the control supply voltage at AC at 60 Hzcontrol supply voltage frequencyrelative negative tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencyrelative positive tolerance of the control supply voltage frequencycontrol supply current in standby mode rated value holding current in bypass operation rated valueholding current in bypass operation rated value locked-rotor current at close of bypass contact maximuminrush current peak at application of control supply voltage design of the overvoltage protection design of short-circuit protection for control circuitInputs/ Outputs number of digital inputs number of inputs for thermistor connection	10 % -15 % 10 % 50 60 Hz -10 % 10 % 30 mA 105 mA 2.2 A 12.2 A 2.2 ms Varistor 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				

number of analog outputs	1				
number of analog outputs switching capacity current of the relay outputs					
at AC-15 at 250 V rated value	2.4				
at DC-13 at 24 V rated value	3 A 1 A				
	1 A				
nstallation/ mounting/ dimensions					
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
fastening method	screw fixing				
height	230 mm				
width	160 mm				
depth	282 mm				
required spacing with side-by-side mounting					
 forwards 	10 mm				
 backwards 	0 mm				
• upwards	100 mm				
downwards	75 mm				
• at the side	5 mm				
weight without packaging	7.3 kg				
Connections/ Terminals					
type of electrical connection					
for main current circuit	busbar connection				
for control circuit	spring-loaded terminals				
width of connection bar maximum	45 mm				
type of connectable conductor cross-sections					
for main contacts for box terminal using the front clamping point solid	95 300 mm²				
 for main contacts for box terminal using the front clamping point finely stranded with core end processing 	70 240 mm²				
 for main contacts for box terminal using the front clamping point finely stranded without core end processing 	70 240 mm²				
 for main contacts for box terminal using the front clamping point stranded 	95 300 mm²				
 at AWG cables for main contacts for box terminal using the front clamping point 	3/0 600 kcmil				
• for main contacts for box terminal using the back clamping point solid	120 240 mm ²				
at AWG cables for main contacts for box terminal using the back clamping point	250 500 kcmil				
for main contacts for box terminal using both clamping points solid	min. 2x 70 mm², max. 2x 240 mm²				
 for main contacts for box terminal using both clamping points finely stranded with core end processing 	min. 2x 50 mm², max. 2x 185 mm²				
 for main contacts for box terminal using both clamping points finely stranded without core end processing 	min. 2x 50 mm², max. 2x 185 mm²				
 for main contacts for box terminal using both clamping points stranded 	min. 2x 70 mm², max. 2x 240 mm²				
 for main contacts for box terminal using the back clamping point finely stranded with core end processing 	120 185 mm²				
 for main contacts for box terminal using the back clamping point finely stranded without core end processing 	120 185 mm²				
 for main contacts for box terminal using the back clamping point stranded 	120 240 mm²				
type of connectable conductor cross-sections					
at AWG cables for main current circuit solid	2/0 500 kcmil				
 for DIN cable lug for main contacts stranded 	50 240 mm²				
 for DIN cable lug for main contacts finely stranded 	70 240 mm²				
J ,					

 for control circuit solid 	2x (0.25 1.5 mm²)				
 for control circuit finely stranded with core end 	2x (0.25 1.5 mm²)				
processing	0				
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				
	800 m				
at the digital inputs at AC maximum	1 000 m				
tightening torque					
for main contacts with screw-type terminals	14 24 N·m				
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m				
tightening torque [lbf·in]					
	124 210 lbf·in				
for main contacts with screw-type terminals					
 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 manual				
ambient temperature	o ooo m, berating as or rooo m, see manuar				
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					
a a manual a stica and a la la comparte d					
communication module is supported					
PROFINET standard	Yes				
	Yes				
PROFINET standard					
PROFINET standardEtherNet/IP	Yes				
 PROFINET standard EtherNet/IP Modbus RTU 	Yes Yes Yes				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS 	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				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker 	Yes Yes Yes Yes				
PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number	Yes Yes Yes				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according 	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 High Faults at 460/480 V according to UL of the fuse 	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 High Faults at 460/480 V according to UL 	Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V 	Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL 	Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors 	Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value 	Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 150 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value at 575/600 V at 50 °C rated value at 575/600 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 575/600 V at 50 °C rated value at 575/600 V at 50 °C rated value at 575/600 V at 50 °C rated value 	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp 150 hp				
 PROFINET standard EtherNet/IP Modbus RTU Modbus TCP PROFIBUS UL/CSA ratings manufacturer's article number of circuit breaker usable for High Faults at 460/480 V according to UL of the fuse usable for Standard Faults up to 575/600 V according to UL usable for High Faults up to 575/600 V according to UL operating power [hp] for 3-phase motors at 200/208 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value at 460/480 V at 50 °C rated value Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 ATEX	Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA Type: Class L, max. 700 A; lq = 10 kA Type: Class L, max. 700 A; lq = 100 kA 60 hp 60 hp 150 hp 150 hp 150 hp				

			_				
ATEX			_				
PFDavg with low demand rate acc. to IEC 61508 relating to ATEX		0.09	0.09				
PFHD with high demand rate acc. to EN 62061 relating to ATEX		0.000	0.000009 1/h				
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX		SIL1					
	1 value for proof test interval or service life acc. to C 61508 relating to ATEX		3 у	3 у			
Certificates/ approval	S						
General Product Ap	proval				For use in hazardous locations		
SP SM	CCC	UL UL		EAC	IECE×	K ATEX	
Declaration of Conf	ormity	Test Certifica	ates	other			
CE EG-Konf.	<u>Miscellaneous</u>	<u>Type Test Ce</u> ates/Test Re		<u>Confirmation</u>			
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=3RW5072-2AB15 Cax online generator							
http://support.automat	tion.siemens.com/WW	/CAXorder/defau	Ilt.aspx?	lang=en&mlfb=3RW8	5072-2AB15		
Service&Support (Manuals, Certificates, Characteristics, FAQs,)							

https://support.industry.siemens.com/cs/ww/en/ps/3RW5072-2AB15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5072-2AB15&lang=en

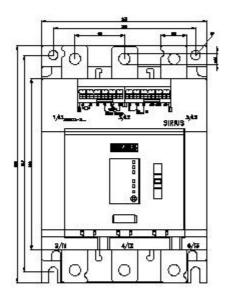
Characteristic: Tripping characteristics, I²t, Let-through current

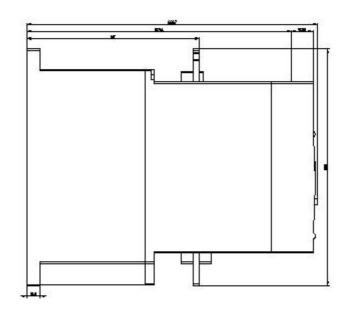
https://support.industry.siemens.com/cs/ww/en/ps/3RW5072-2AB15/char

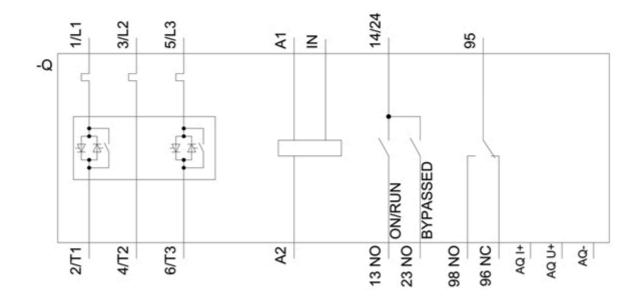
Characteristic: Installation altitude

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5072-2AB15&objecttype=14&gridview=view1 Simulation Tool for Soft Starters (STS)

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







last modified:

6/24/2021 🖸