## **SIEMENS**

Data sheet 3RW5074-6AB04

**SIRIUS** 



SIRIUS soft starter 200-480 V 315 A, 24 V AC/DC Screw terminals Analog output

Figure similar

product brand name

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>	3RW5980-0HS01
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
<ul> <li>of communication module PROFINET standard usable</li> </ul>	3RW5980-0CS00
<ul> <li>of communication module PROFIBUS usable</li> </ul>	3RW5980-0CP00
<ul> <li>of communication module Modbus TCP usable</li> </ul>	3RW5980-0CT00
<ul> <li>of communication module Modbus RTU usable</li> </ul>	3RW5980-0CR00
<ul> <li>of communication module Ethernet/IP</li> </ul>	3RW5980-0CE00
<ul> <li>of circuit breaker usable at 400 V</li> </ul>	3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2440-7MN32-0AA0; Type of assignment 1, Iq = 65 kA
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	2x3NA3365-6; Type of coordination 1, Iq = 65 kA
<ul> <li>of full range R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE1 333-2; Type of coordination 2, Iq = 65 kA
<ul> <li>of back-up R fuse link for semiconductor protection usable up to 690 V</li> </ul>	3NE3 335; Type of coordination 2, Iq = 65 kA
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1075</u>
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1075</u>
General 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

twin along	CLASS 10A / 10E (preset) / 20E; see to IEC 60047 4.2
trip class	CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2
buffering time in the event of power failure	100 ms
for main current circuit     for control circuit	
• 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	1 600 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
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	23.09.2019 00:00:00
product function	
<ul><li>ramp-up (soft starting)</li></ul>	Yes
<ul><li>ramp-down (soft stop)</li></ul>	Yes
Soft Torque	Yes
adjustable current limitation	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
<ul> <li>remote reset</li> </ul>	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
<ul><li>error logbook</li></ul>	Yes; Only in conjunction with special accessories
<ul> <li>via software parameterizable</li> </ul>	No
<ul> <li>via software configurable</li> </ul>	Yes
<ul> <li>PROFlenergy</li> </ul>	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	315 A
at 50 °C rated value	279 A
at 60 °C rated value	255 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	90 kW
• at 400 V at 40 °C rated value	160 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	135 A
at rotary coding switch on switch position 2	147 A
at rotary coding switch on switch position 3	159 A

	not part of scope of supply
	Chrom dieaker done booker op initialitie circuit breaker done 300 A). IS
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
design of the overvoltage protection	Varistor
duration of inrush current peak at application of control supply voltage	12.1 ms
inrush current peak at application of control supply voltage maximum	3.3 A
maximum	
holding current in bypass operation rated value locked-rotor current at close of bypass contact	490 mA 7.6 A
control supply current in standby mode rated value	160 mA
relative positive tolerance of the control supply voltage at DC	20 %
relative negative tolerance of the control supply voltage at DC	-20 %
at DC rated value	24 V
control supply voltage	
relative positive tolerance of the control supply voltage frequency	10 %
relative negative tolerance of the control supply voltage frequency	-10 %
control supply voltage frequency	50 60 Hz
relative positive tolerance of the control supply voltage at AC at 60 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 50 Hz	20 %
relative negative tolerance of the control supply voltage at AC at 50 Hz	-20 %
• at 60 Hz rated value	24 V
at 50 Hz rated value	24 V
control supply voltage at AC	
type of voltage of the control supply voltage	AC/DC
Control circuit/ Control	Electronic, appring in the event of thermal evented of the motor
type of the motor protection	Electronic, tripping in the event of thermal overload of the motor
<ul> <li>at 50 °C during startup</li> <li>at 60 °C during startup</li> </ul>	2 805 W
at 40 °C during startup     at 50 °C during startup	3 368 W 2 805 W
power loss [W] at AC at current limitation 350 %	2 260 W
• at 60 °C after startup	24 W
• at 50 °C after startup	29 W
• at 40 °C after startup	36 W
power loss [W] for rated value of the current at AC	
minimum load [%]	15 %; Relative to smallest settable le
• minimum	135 A
at rotary coding switch on switch position 16     at rotary coding switch on switch position 16	315 A
at rotary coding switch on switch position 15     at rotary coding switch on switch position 15	303 A
at rotary coding switch on switch position 13     at rotary coding switch on switch position 14	291 A
<ul> <li>at rotary coding switch on switch position 12</li> <li>at rotary coding switch on switch position 13</li> </ul>	267 A 279 A
at rotary coding switch on switch position 12     at rotary coding switch on switch position 12	255 A
at rotary coding switch on switch position 10	243 A
at rotary coding switch on switch position 9	231 A
at rotary coding switch on switch position 8	219 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	207 A
<ul> <li>at rotary coding switch on switch position 6</li> </ul>	195 A
<ul> <li>at rotary coding switch on switch position 5</li> </ul>	183 A
<ul> <li>at rotary coding switch on switch position 4</li> </ul>	171 A

number of digital inputs	1	
number of inputs for thermistor connection	0 3	
number of digital outputs  o not parameterizable	2	
digital output version		
_ • •	2 normally-open contacts (NO) / 1 changeover contact (CO)	
number of analog outputs		
switching capacity current of the relay outputs	2.4	
• at AC-15 at 250 V rated value	3 A	
at DC-13 at 24 V rated value	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		
<ul><li>forwards</li></ul>	10 mm	
<ul><li>backwards</li></ul>	0 mm	
• upwards	100 mm	
<ul><li>downwards</li></ul>	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	screw-type terminals	
width of connection bar maximum	45 mm	
type of connectable conductor cross-sections		
<ul> <li>for main contacts for box terminal using the front clamping point solid</li> </ul>	95 300 mm²	
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	70 240 mm²	
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded without core end processing</li> </ul>	70 240 mm²	
<ul> <li>for main contacts for box terminal using the front clamping point stranded</li> </ul>	95 300 mm²	
<ul> <li>at AWG cables for main contacts for box terminal using the front clamping point</li> </ul>	3/0 600 kcmil	
<ul> <li>for main contacts for box terminal using the back clamping point solid</li> </ul>	120 240 mm²	
<ul> <li>at AWG cables for main contacts for box terminal using the back clamping point</li> </ul>	250 500 kcmil	
<ul> <li>for main contacts for box terminal using both clamping points solid</li> </ul>	min. 2x 70 mm², max. 2x 240 mm²	
<ul> <li>for main contacts for box terminal using both clamping points finely stranded with core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²	
<ul> <li>for main contacts for box terminal using both clamping points finely stranded without core end processing</li> </ul>	min. 2x 50 mm², max. 2x 185 mm²	
<ul> <li>for main contacts for box terminal using both clamping points stranded</li> </ul>	min. 2x 70 mm², max. 2x 240 mm²	
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded with core end processing</li> </ul>	120 185 mm²	
<ul> <li>for main contacts for box terminal using the back clamping point finely stranded without core end processing</li> </ul>	120 185 mm²	
<ul> <li>for main contacts for box terminal using the back clamping point stranded</li> </ul>	120 240 mm²	

type of connectable conductor cross-sections	
<ul> <li>at AWG cables for main current circuit solid</li> </ul>	2/0 500 kcmil
<ul> <li>for DIN cable lug for main contacts stranded</li> </ul>	50 240 mm²
<ul> <li>for DIN cable lug for main contacts finely stranded</li> </ul>	70 240 mm²
type of connectable conductor cross-sections	
<ul> <li>for control circuit solid</li> </ul>	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
<ul> <li>for control circuit finely stranded with core end</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
processing	
<ul> <li>at AWG cables for control circuit solid</li> </ul>	1x (20 12), 2x (20 14)
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>	14 24 N·m
for auxiliary and control contacts with screw-type	0.8 1.2 N·m
terminals	
tightening torque [lbf·in]	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	124 210 lbf·in
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	7 10.3 lbf·in
terminals	
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; Derating as of 1000 m, see manual
ambient temperature	
during operation	-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	
<ul> <li>during operation acc. to IEC 60721</li> </ul>	3K6 (no ice formation, only occasional condensation), 3C3 (no salt
	mist), 3S2 (sand must not get into the devices), 3M6
<ul> <li>during storage acc. to IEC 60721</li> </ul>	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
EMC emitted interference Communication/ Protocol	acc. to IEC 60947-4-2: Class A
	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	acc. to IEC 60947-4-2: Class A Yes
Communication/ Protocol communication module is supported	
Communication/ Protocol  communication module is supported  • PROFINET standard	Yes
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP	Yes Yes
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU	Yes Yes Yes
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS	Yes Yes Yes Yes
Communication/ Protocol  communication module is supported  • PROFINET standard  • EtherNet/IP  • Modbus RTU  • Modbus TCP  • PROFIBUS  UL/CSA ratings	Yes Yes Yes Yes
Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes Yes
Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  UL/CSA ratings  manufacturer's article number  of circuit breaker	Yes Yes Yes Yes Yes Yes
Communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus TCP PROFIBUS  UL/CSA ratings  manufacturer's article number	Yes Yes Yes Yes
Communication/ Protocol  communication module is supported  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 Yes Yes Yes
Communication/ Protocol  communication module is supported  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 Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA
Communication/ Protocol  communication module is supported  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	Yes Yes Yes Yes Yes Yes
communication/ Protocol  communication module is supported  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	Yes Yes Yes Yes Yes Yes Yes  Yes  Class L, max. 1000 A; Iq max = 65 kA
Communication/ Protocol  communication module is supported  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	Yes Yes Yes Yes Yes Yes Siemens type: 3VA54, max. 600 A; lq max = 65 kA
communication/ Protocol  communication module is supported  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 Yes Yes Yes Yes  Yes  Class L, max. 1000 A; Iq max = 65 kA
communication/ Protocol  communication module is supported  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 Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA
communication/ Protocol  communication module is supported  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 Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA
communication/ Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  Modbus RTU  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 Yes Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA
communication module is supported  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	Yes Yes Yes Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU 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  at 460/480 V at 50 °C rated value	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA  75 hp 100 hp 200 hp
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU 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 Safety related data protection class IP on the front acc. to IEC 60529	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA  Type: Class L, max. 1000 A; Iq = 18 kA  Type: Class L, max. 1000 A; Iq = 100 kA  75 hp 100 hp 200 hp
communication / Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  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  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 Yes Yes  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA  Type: Class L, max. 1000 A; Iq = 18 kA  Type: Class L, max. 1000 A; Iq = 100 kA  75 hp 100 hp 200 hp
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU 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 Safety related data protection class IP on the front acc. to IEC 60529	Yes Yes Yes Yes Yes Yes  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA  Type: Class L, max. 1000 A; Iq = 18 kA  Type: Class L, max. 1000 A; Iq = 100 kA  75 hp 100 hp 200 hp
communication / Protocol  communication module is supported  PROFINET standard  EtherNet/IP  Modbus RTU  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  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 Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA  75 hp 100 hp 200 hp
communication module is supported  PROFINET standard EtherNet/IP Modbus RTU 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 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 Yes Yes  Siemens type: 3VA54, max. 600 A; lq max = 65 kA  Type: Class L, max. 1000 A; lq = 18 kA  Type: Class L, max. 1000 A; lq = 100 kA  75 hp 100 hp 200 hp

• IECEx	Yes
hardware fault tolerance acc. to IEC 61508 relating to ATEX	0
PFDavg with low demand rate acc. to IEC 61508 relating to ATEX	0.09
PFHD with high demand rate acc. to EN 62061 relating to ATEX	0.000009 1/h
Safety Integrity Level (SIL) acc. to IEC 61508 relating to ATEX	SIL1
T1 value for proof test interval or service life acc. to IEC 61508 relating to ATEX	3 y

Certificates/ approvals

## **General Product Approval**

For use in hazardous locations













**Declaration of Conformity** 

**Test Certificates** 

other



**Miscellaneous** 

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=3RW5074-6AB04

Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW5074-6AB04}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5074-6AB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5074-6AB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

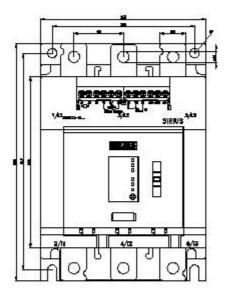
https://support.industry.siemens.com/cs/ww/en/ps/3RW5074-6AB04/char

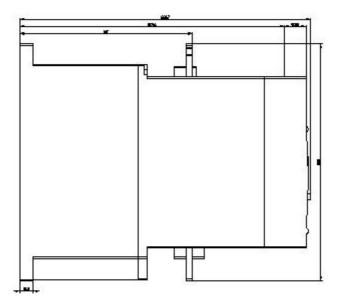
Characteristic: Installation altitude

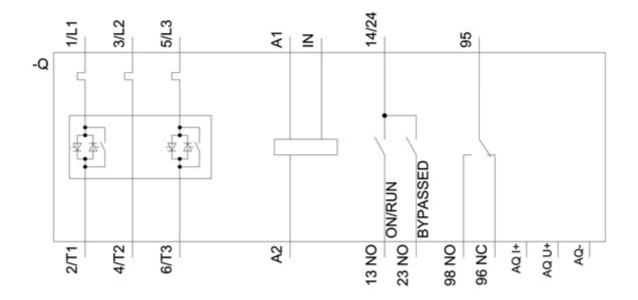
 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5074-6AB04\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







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