# **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 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>	3RW5980-0HS01
<ul> <li>of high feature HMI module usable</li> </ul>	3RW5980-0HF00
• of communication module PROFINET standard usable	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
• of full range R fuse link for semiconductor protection usable up to 690 V	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 %; 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 %
certificate of suitability	
CE marking	Yes
UL approval	Yes
CSA approval	Yes
product component	
HMI-High Feature	No
• is supported HMI-Standard	Yes
is supported HMI-High Feature	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	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 protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	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
adjustable current limitation	Yes
pump ramp down	Yes
intrinsic device protection	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
communication function	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
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	245 A
<ul> <li>at 40 °C rated value</li> <li>at 50 °C rated value</li> </ul>	315 A 279 A
at 60 °C rated value     operating voltage	255 A
• rated value	200 480 V
relative negative tolerance of the operating voltage	-15 %
relative negative 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	
<ul> <li>at rotary coding switch on switch position 1</li> </ul>	135 A
at rotary coding switch on switch position 2	147 A
at rotary coding switch on switch position 3	159 A
at rotary coding switch on switch position 4	171 A
at rotary coding switch on switch position 5	183 A
at rotary coding switch on switch position 6	195 A
<ul> <li>at rotary coding switch on switch position 7</li> </ul>	207 A
<ul> <li>at rotary coding switch on switch position 8</li> </ul>	219 A

<ul> <li>at rotary coding switch on switch position 10</li> </ul>	243 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	255 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	267 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	279 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	291 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	303 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	315 A
• minimum	135 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>	36 W
<ul> <li>at 50 °C after startup</li> </ul>	29 W
<ul> <li>at 60 °C after startup</li> </ul>	24 W
power loss [W] at AC at current limitation 350 %	
<ul> <li>at 40 °C during startup</li> </ul>	3 368 W
<ul> <li>at 50 °C during startup</li> </ul>	2 805 W
<ul> <li>at 60 °C during startup</li> </ul>	2 455 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 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	490 mA
inrush current by closing the bypass contacts 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 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	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
- <b>J</b> F	

	+/- 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
<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	35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm
type of connectable conductor cross-sections	
<ul> <li>for main contacts for box terminal using the front</li> </ul>	95 300 mm²
clamping point solid	
<ul> <li>for main contacts for box terminal using the front clamping point finely stranded with core end processing</li> </ul>	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 mm <sup>2</sup>
for main contacts for box terminal using the back clamping point solid      AWO askles for main posts to fee how terminal using the back.  The AWO askles for main posts to fee how terminal using the back.	120 240 mm²
for 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     for main contacts for box terminal using both clamping.	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> <li>for main contacts for box terminal using both clamping</li> </ul>	min. 2x 50 mm², max. 2x 185 mm² min. 2x 70 mm², max. 2x 240 mm²
points stranded  • for main contacts for box terminal using both clamping  points stranded	120 185 mm <sup>2</sup>
clamping point finely stranded with core end processing  • for main contacts for box terminal using the back	120 185 mm <sup>2</sup>
clamping point finely stranded without core end processing  • for main contacts for box terminal using the back	120 240 mm <sup>2</sup>
clamping point stranded  type of connectable conductor cross-sections	120 240 11111
for AWG cables for main current circuit solid	2/0 500 kcmil
for DIN cable lug for main contacts stranded	50 240 mm <sup>2</sup>
for DIN cable lug for main contacts stranded	70 240 mm²
type of connectable conductor cross-sections	10 2 TO HIHI
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
for control circuit solid     for control circuit finely stranded with core end processing	1x (0.5 4.0 min-), 2x (0.5 2.5 min-) 1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> )
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	17 (20 12), 27 (20 17)
between soft starter and motor maximum	800 m
at the digital inputs at AC maximum	1 000 m
tightening torque	1 000 1/1
• for main contacts with screw-type terminals	14 24 N·m
•••	0.8 1.2 N·m
<ul> <li>for auxiliary and control contacts with screw-type terminals</li> </ul>	0.0 1.2 IV III
tightening torque [lbf·in]	
for main contacts with screw-type terminals	124 210 lbf·in
for auxiliary and control contacts with screw-type	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

amoint temperature  • during operation • during operation • during operation • during operation according to IEC 80721  • during storage according to IEC 80721  • during transport according to IEC 80721  • during transport according to IEC 80721  EMC emitted interference  • during transport according to IEC 80721  EMC emitted interference  • communication module is supported  • PROFINET standard • PROFINED • PROF		
- during storage and transport - drivinomental category - during operation according to IEC 60721 - during storage according to IEC 60721 - during transport according to IEC 60729 - during transport according to IEC 60728 - during transport acco	ambient temperature	
environmental category  • during operation according to IEC 60721  • during operation according to IEC 60721  • during storage according to IEC 60721  • during storage according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  Communication module is supported  • PROFINET standard  • PROFI		· ·
during operation according to IEC 60721     during storage according to IEC 60721     during storage according to IEC 60721     during transport according to IEC 60721     during transport according to IEC 60721     According transport according to IEC 60721     According transport according to IEC 60721     According to IEC 60721     According transport according to IEC 60721     According transport according to IEC 60721     According to IEC 60721     According to IEC 60721     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard     According to IEC 60947-4-2: Class A     Communication module is supported     PROFINET standard Faults up to 80947-4-2: Class A     Communication module is supported     PROFINET standard Faults up to 80947-4-2: Class A     According to IEC 60947-4-2: Class A     Condition standard Faults up to 80947-4-2: Class A     According to IEC 60947-4-2: Class A     Condition standard Faults up to 80947-4-2: Class A     According to IEC 60947-4-2: Class A     Ac		-40 +80 °C
(sand must not get into the devices), 3M6  • during transport according to IEC 60721  • during transport according to IEC 60721  EMC emitted interference  Communication module is supported  • PROFINET standard  • EtherNevIIP  • Modbus RTU		
e during transport according 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 RTU Yes  PROFIBUS  Tyes  PROFIBUS  Tyes  Tyes  Was  PROFIBUS  Tyes  Tyes  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA  Siemens type: 3VA54, max. 600 A; Iq max = 65 kA  Type: Class L, max. 1000 A; Iq = 100 kA  UCOSA rating power [tnp] for 3-phase motors  at 200/230 V at 50 °C rated value  at 200/230 V at 50 °C rated value  at 460/480 V at 50 °C rated value  protection class IP on the front according to IEC 60529  Type: Class L, max. 1000 A; Iq = 100 kA  USIAN TYPE:	during operation according to IEC 60721	
EMC emitted interference  Communication Protocol  communication module is supported  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  PROFINET standard  PROFINES  Modbus RTU  PROFINES  PROFIBUS  ULICSA 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  of the fuse  — usable for High Faults up to 575/600 V according to UL  of the fuse  — usable for High Faults up to 575/600 V according to UL  operating power [hp] for 3-phase motors  ot 200/280 V at 50 °C rated value  ot 2200/280 V at 50 °C rated value  ot 200/280 V at 50 °C rated value  ot 200 hp  Safety related data  protection class IP on the front according to IEC 60529  ATEX  certificate of suitability  ATEX  OLICEX  ULICEX  LICEX  LIC	during storage according to IEC 60721	
Communication Protocol  communication module is supported  PROFIBUS Talandard  PROFIBUS Test Protocol  Modbus RTU  Pes  Modbus TCP  PROFIBUS  Ves  PROFIBUS  WUCSA ratings  manufacturer's article number  of circuit breaker  — usable for High Faulis at 460/480 V according to UL  of the fuse  — usable for Standard Faulis up to 575/600 V according to UL  — usable for Flan Faulis up to 575/600 V according to UL  — usable for High Faulis up to 575/600 V according to UL  — usable for High Faulis up to 575/600 V according to UL  — usable for High Faulis up to 575/600 V according to UL  — usable for High Faulis up to 575/600 V according to UL  — usable for High Faulis up to 575/600 V according to UL  Operating power (thp) for 3-phase motors  at 200/208 V at 50 °C rated value  at 400/480 V at 50 °C rated value  200 hp  Safety related data  protection class IP on the front according to IEC 60529  IP00: IP20 with cover  touch protection on the front according to IEC 60529  ATEX  Certificate of suitability  ATEX  Ves  UKEX  Per	<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
communication module is supported  PROFINET standard PROFINET standard Profile EtherNet/IP Podobus RTU Profile Modobus RTU Profile Pro	EMC emitted interference	acc. to IEC 60947-4-2: Class A
PROFINET standard EtherNet/IP EtherNet/IP Editor Note: EtherNet/IP EtherNet/IP EtherNet/IP EtherNet/IP EtherNet/IP EtherNet/IP Editor Note: Ether	Communication/ Protocol	
EtherNet/IP  Modbus RTU  Modbus TCP  PROFIBUS  PROFIBUS  Wes  Wes  ULCSA 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.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for Standard Faults up to 575/600 V according to UL.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high Faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 575/600 V according to UD.  Operating power [high faults up to 5	communication module is supported	
Modbus RTU Modbus TCP PROFIBUS  Ves PROFIBUS  WES PROFIBUS  WUCSA 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. — usable for High Faults up to 575/600 V according to UL. — usable for High Faults up to 575/600 V according to UL. — usable for High 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 75 hp at 220/230 V at 50 °C rated value 200 hp  Safety related data  protection class IP on the front according to IEC 60529 Ipo0: IP20 with cover touch protection on the front according to IEC 60529 Ipo0: IP20 with cover  ATEX Certificate of suitability  ATEX  EICEE  UKEX  Pes  UKEX  Prose  Provertical contact from the front with cover ATEX  PFDavig with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Certificates/ approvals	<ul> <li>PROFINET standard</li> </ul>	Yes
Modbus TCP PROFIBUS PROFIBUS Pres Pres Pres Pres Pres Pres Pres Pres	EtherNet/IP	Yes
PROFIBUS  Warnifacturer's article number  of circuit breaker  — usable for High Faults at 460/480 V according to UL.  of the fuse  — usable for High Faults up to 575/600 V  according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High Faults up to 575/600 V according to UL.  — usable for High 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 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  200 hp  Safety related data  protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover  touch protection on the front according to IEC 60529  ATEX  certificate of suitability • ATEX • IECEX • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PPDay with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Ti value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals  Certificates/ approvals	Modbus RTU	Yes
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  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High 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 220/230 V at 50 °C rated value  200 hp  Safety related data  protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover  ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  Ves  lardware fault tolerance according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  TI value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/approvals  Certificates/approvals	Modbus TCP	Yes
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  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High Faults up to 575/600 V according to UL  — usable for High 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 460/480 V at 50 °C rated value  200 hp  Safety related data  protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover  ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PPDay with low demand rate according to IEC 61508 relating to ATEX  PPDay with high demand rate according to IEC 61508 relating to ATEX  To value for proof test interval or service life according to IEC 61508 relating to ATEX  To value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	• PROFIBUS	Yes
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         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to UL         — usable for High Faults up to 575/600 V according to IEC 60529 Labeled up to UL         — usable for High Faults up to 575/600 V according to IEC 60529 Labeled up to Un         — usable for High Faults up to 575/600 V according to IEC 60529 Labeled up to What Unit up to What	UL/CSA ratings	
- 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  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to UL  - usable for High Faults up to 575/600 V according to V Type: Class L, max. 1000 A; Iq = 18 kA  - Top Class L, max. 1000 A; Iq = 100 kA  - Type: Class L, max. 1000 A; Iq = 100	manufacturer's article number	
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         — 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 260/480 V at 50 °C rated value         • at 260/480 V at 50 °C rated value             • at 260/480 V at 50 °C rated value             • at 260/480 V at 50 °C rated value             • on the front according to IEC 60529  Frotection class IP on the front according to IEC 60529  finger-safe, for vertical contact from the front with cover  touch protection on the front according to IEC 60529  ATEX  certificate of suitability         • ATEX	of circuit breaker	
— usable for Standard Faults up to 575/600 V according to UL — usable for High 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 460/480 V at 50 °C rated value  Safety related data  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front with cover  ATEX  certificate of suitability • ATEX  • IECEX • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  TY value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/approvals  Certificates/approvals	<ul> <li>usable for High Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA54, max. 600 A; Iq max = 65 kA
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 460/480 V at 50 °C rated value  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front with cover  ATEX  certificate of suitability • ATEX  • IECEx • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDayg with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Ty also for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/approvals	of the fuse	
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  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  To value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/approvals	•	Type: Class L, max. 1000 A; Iq = 18 kA
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 200 hp  Safety related data protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529  ATEX certificate of suitability ATEX  IECEX UKEX  Hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals		Type: Class L, max. 1000 A; Iq = 100 kA
at 220/230 V at 50 °C rated value at 460/480 V at 50 °C rated value  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  certificate of suitability  ATEX  IECEX  UKEX  PFDay with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	operating power [hp] for 3-phase motors	
at 460/480 V at 50 °C rated value  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  certificate of suitability  ATEX  IECEX  UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals  200 hp  IPO0; IP20 with cover finger-safe, for vertical contact from the front with cove	<ul> <li>at 200/208 V at 50 °C rated value</li> </ul>	75 hp
protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	<ul> <li>at 220/230 V at 50 °C rated value</li> </ul>	100 hp
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	• at 460/480 V at 50 °C rated value	200 hp
touch protection on the front according to IEC 60529  ATEX  certificate of suitability  • ATEX  • IECEX  • UKEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	Safety related data	
Certificate of suitability  • ATEX  • IECEX  • UKEX  PEDavg with low demand rate according to IEC 61508 relating to ATEX  PFD with high demand rate according to EN 62061 relating to ATEX  PFHD with high demand rate according to IEC 61508 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	protection class IP on the front according to IEC 60529	IP00; IP20 with cover
certificate of suitability  • ATEX  • IECEX  • UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
ATEX  IECEX  UKEX  Hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	ATEX	
IECEX     UKEX     UKEX     Yes  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to AATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	certificate of suitability	
● UKEX  hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	• ATEX	Yes
hardware fault tolerance according to IEC 61508 relating to ATEX  PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	• IECEx	Yes
PFDavg with low demand rate according to IEC 61508 relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals	• UKEX	Yes
relating to ATEX  PFHD with high demand rate according to EN 62061 relating to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals		0
to ATEX  Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals		0.09
to ATEX  T1 value for proof test interval or service life according to IEC 61508 relating to ATEX  Certificates/ approvals		9E-6 1/h
IEC 61508 relating to ATEX  Certificates/ approvals		SIL1
·		3 a
	Certificates/ approvals	

## **General Product Approval**

For use in hazard-ous locations





Confirmation







For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Explosion Protection Certificate





Type Test Certificates/Test Report







#### Confirmation

#### **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

#### Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

### Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW5074-6AB04

Cax online generator

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=er

Characteristic: Tripping characteristics, I2t, Let-through current

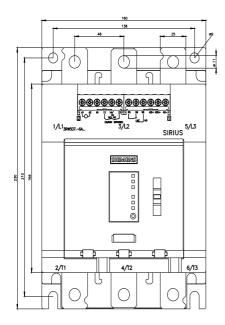
https://support.industry.siemens.com/cs/ww/en/ps/3RW5074-6AB04/char

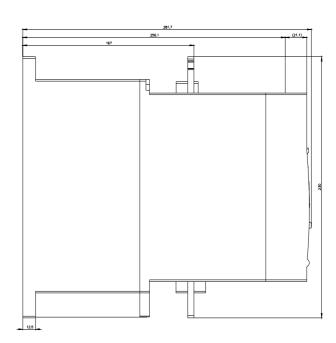
Characteristic: Installation altitude

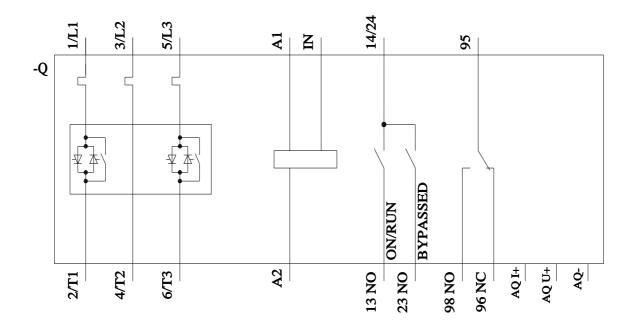
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5074-6AB04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







last modified: 1/14/2023 🖸