## **SIEMENS**

Data sheet 3RW5075-2AB04



SIRIUS soft starter 200-480 V 370 A, 24 V AC/DC Spring-loaded terminals Analog output

Figure similar

product brand name product category product designation product type designation manufacturer's article number

- of standard HMI module usable
- of high feature HMI module usable
- of communication module PROFINET standard usable
- of communication module PROFIBUS usable
- of communication module Modbus TCP usable
- of communication module Modbus RTU usable
- of communication module Ethernet/IP
- of circuit breaker usable at 400 V
- of circuit breaker usable at 500 V
- of the gG fuse usable up to 690 V
- of full range R fuse link for semiconductor protection usable up to 690 V
- $\bullet$  of back-up R fuse link for semiconductor protection usable up to 690 V
- of line contactor usable up to 480 V
- of line contactor usable up to 690 V

**SIRIUS** 

Hybrid switching devices

Soft starter 3RW50

3RW5980-0HS01

3RW5980-0HF00

3RW5980-0CS00

3RW5980-0CP00

3RW5980-0CT00

3RW5980-0CR00

3RW5980-0CE00

3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 65 kA

3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 65 kA

2x3NA3365-6; Type of coordination 1, Iq = 65 kA 3NE1 334-2; Type of coordination 2, Iq = 65 kA

3NE3 336; Type of coordination 2, Iq = 65 kA

3RT1075 3RT1075

## General technical data

starting voltage [%] stopping voltage [%] start-up ramp time of soft starter ramp-down time of soft starter current limiting value [%] adjustable accuracy class according to IEC 61557-12 certificate of suitability

- CE marking
- UL approval
- CSA approval

## product component

- HMI-High Feature
- is supported HMI-Standard
- is supported HMI-High Feature

product feature integrated bypass contact system number of controlled phases

trip class

buffering time in the event of power failure

30 ... 100 %

50 %; non-adjustable

0 ... 20 s

0 ... 20 s

130 ... 700 %

5 %

Yes

Yes

Yes

No

Yes

Yes

Yes

CLASS 10A / 10E (preset) / 20E; acc. to IEC 60947-4-2

• for main current circuit	100 ms
for main current circuit     for control circuit	100 ms
	600 V
insulation voltage rated value	3, acc. to IEC 60947-4-2
degree of pollution	•
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 600 V
service factor	1 6 kV
surge voltage resistance rated value	O KV
maximum permissible voltage for safe isolation	000.1/
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
vibration resistance	15 mm to 6 Hz; 2g to 500 Hz
utilization category according to IEC 60947-4-2	AC-53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/23/2019
product function	V
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque     adjustable current limitation	Yes
adjustable current limitation	Yes
pump ramp down     intrinsis device protection	Yes
intrinsic device protection     meter everland protection	Yes
motor overload protection     application of thermister mater 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     via software configurable	No Yes
via software configurable	Yes: in connection with the PROFINET Standard communication
PROFlenergy	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	370 A
• at 50 °C rated value	328 A
at 60 °C rated value	300 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	440.134
	110 kW
• at 230 V at 40 °C rated value	200 134
• at 400 V at 40 °C rated value	200 kW
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> </ul>	50 Hz
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> </ul>	50 Hz 60 Hz
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> </ul>	50 Hz 60 Hz -10 %
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> </ul>	50 Hz 60 Hz
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> </ul>	50 Hz 60 Hz -10 % 10 %
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> </ul>	50 Hz 60 Hz -10 % 10 %
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> </ul>	50 Hz 60 Hz -10 % 10 %
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A 202 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A 202 A 216 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A 202 A 216 A 230 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> <li>at rotary coding switch on switch position 7</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A 202 A 216 A 230 A 244 A
<ul> <li>at 400 V at 40 °C rated value</li> <li>Operating frequency 1 rated value</li> <li>Operating frequency 2 rated value</li> <li>relative negative tolerance of the operating frequency</li> <li>relative positive tolerance of the operating frequency</li> <li>adjustable motor current</li> <li>at rotary coding switch on switch position 1</li> <li>at rotary coding switch on switch position 2</li> <li>at rotary coding switch on switch position 3</li> <li>at rotary coding switch on switch position 4</li> <li>at rotary coding switch on switch position 5</li> <li>at rotary coding switch on switch position 6</li> </ul>	50 Hz 60 Hz -10 % 10 % 160 A 174 A 188 A 202 A 216 A 230 A

<ul> <li>at rotary coding switch on switch position 10</li> </ul>	286 A
<ul> <li>at rotary coding switch on switch position 11</li> </ul>	300 A
<ul> <li>at rotary coding switch on switch position 12</li> </ul>	314 A
<ul> <li>at rotary coding switch on switch position 13</li> </ul>	328 A
<ul> <li>at rotary coding switch on switch position 14</li> </ul>	342 A
<ul> <li>at rotary coding switch on switch position 15</li> </ul>	356 A
<ul> <li>at rotary coding switch on switch position 16</li> </ul>	370 A
• minimum	160 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>	3 726 W
<ul> <li>at 50 °C during startup</li> </ul>	3 124 W
<ul> <li>at 60 °C during startup</li> </ul>	2 748 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	-20 %
voltage at AC at 50 Hz	
relative positive tolerance of the control supply	20 %
voltage at AC at 50 Hz	
relative negative tolerance of the control supply	-20 %
voltage at AC at 60 Hz	00.0/
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	-10 %
voltage frequency	-10 70
relative positive tolerance of the control supply	10 %
voltage frequency	
control supply voltage	
<ul> <li>at DC rated value</li> </ul>	24 V
relative negative tolerance of the control supply	-20 %
voltage at DC	
relative positive tolerance of the control supply	20 %
voltage at DC	400 4
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	7.6 A
maximum	
, , , , , , , , , , , , , , , , , , , ,	7.6 A 3.3 A
maximum inrush current peak at application of control supply voltage maximum	
maximum inrush current peak at application of control supply voltage	3.3 A
maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control	3.3 A
maximum inrush current peak at application of control supply voltage maximum duration of inrush current peak at application of control supply voltage	3.3 A  12.1 ms  Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature
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	3.3 A  12.1 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
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	3.3 A  12.1 ms  Varistor 4 A gG fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature
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	3.3 A  12.1 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
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	3.3 A  12.1 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
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 digital outputs	3.3 A  12.1 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
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 digital outputs  • not parameterizable	3.3 A  12.1 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  1 3 2
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 digital outputs  • not parameterizable digital output version	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO)
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 digital outputs  • not parameterizable digital output version number of analog outputs	3.3 A  12.1 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  1 3 2
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 digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
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 digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
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 digital outputs  not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1
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 digital outputs  • not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs • at AC-15 at 250 V rated value	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A
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 digital outputs  not parameterizable digital output version number of analog outputs switching capacity current of the relay outputs at AC-15 at 250 V rated value at DC-13 at 24 V rated value	3.3 A  12.1 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  1 3 2 2 normally-open contacts (NO) / 1 changeover contact (CO) 1 3 A

factoring mathed	corou fiving
fastening method	screw fixing 230 mm
height width	160 mm
	282 mm
depth	202
required spacing with side-by-side mounting	10 mm
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
• downwards	75 mm
at the side	5 mm
weight without packaging	7.3 kg
Connections/ Terminals	
type of electrical connection	hh
for main current circuit	busbar connection
• for control circuit	spring-loaded terminals
width of connection bar maximum	35 mm; with connection cover 3RT1966-4EA1 maximum length 45 mm
type of connectable conductor cross-sections	05 000 0
<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	
at 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 finely stranded	70 240 mm <sup>2</sup>
type of connectable conductor cross-sections	
• 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	(0.20 1.0 him)
at AWG cables for control circuit solid	2x (24 16)
• at AWG cables for control circuit finely stranded with	2x (24 16)
core end processing	
wire length	800 m
between soft starter and motor maximum     at the digital inputs at AC maximum	800 m
at the digital inputs at AC maximum  tightening targue	1 000 m
tightening torque	14 24 N m
for main contacts with screw-type terminals	14 24 N·m
<ul> <li>for auxiliary and control contacts with screw-type</li> </ul>	0.8 1.2 N·m

terminals tightening torque [lbf·in] • 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 ambient temperature during operation -25 ... +60 °C; Please observe derating at temperatures of 40 °C or above · during storage and transport -40 ... +80 °C environmental category • during operation according 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 according to IEC 60721 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 • 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 TCP Yes PROFIBUS Yes **UL/CSA** ratings manufacturer's article number of the fuse usable for Standard Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 18 kA according to UL - usable for High Faults up to 575/600 V Type: Class L, max. 1200 A; Iq = 100 kA according to UL operating power [hp] for 3-phase motors • at 200/208 V at 50 °C rated value 100 hp • at 220/230 V at 50 °C rated value 125 hp • at 460/480 V at 50 °C rated value 250 hp Safety related data protection class IP on the front according to IEC IP00; IP20 with cover 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 Yes IECEx Yes UKFX Yes hardware fault tolerance according to IEC 61508 relating to ATEX PFDavg with low demand rate according to IEC 61508 0.09 relating to ATEX PFHD with high demand rate according to EN 62061 9E-6 1/h relating to ATEX Safety Integrity Level (SIL) according to IEC 61508 SIL1 relating to ATEX T1 value for proof test interval or service life 3 a according to IEC 61508 relating to ATEX Certificates/ approvals For use in hazard-**General Product Approval** 



Confirmation









ous locations



**Explosion Protection Certificate** 





Type Test Certificates/Test Report



Marine / Shipping

other





Confirmation

## **Further information**

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=3RW5075-2AB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5075-2AB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-2AB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5075-2AB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

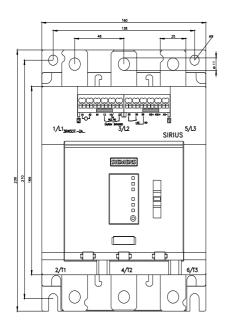
https://support.industry.siemens.com/cs/ww/en/ps/3RW5075-2AB04/char

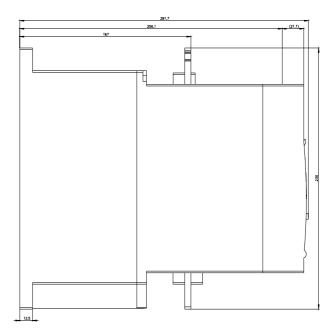
Characteristic: Installation altitude

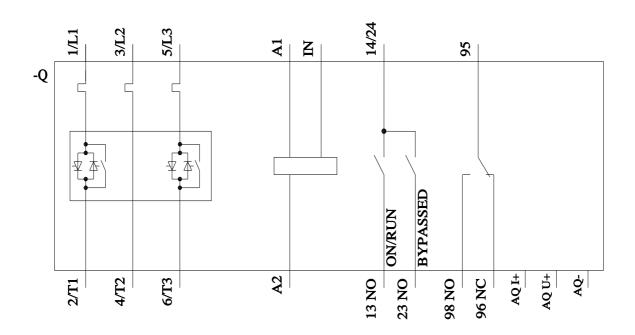
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5075-2AB04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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