## **SIEMENS**

Data sheet 3RW5055-2AB04

SIRIUS



SIRIUS soft starter 200-480 V 143 A, 24 V AC/DC Spring-loaded terminals Analog output



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>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of circuit breaker usable at 500 V</li> </ul>	3VA2220-7MN32-0AA0; Type of assignment 1, Iq = 20 kA
<ul> <li>of the gG fuse usable up to 690 V</li> </ul>	3NA3244-6; 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 227-0; 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 334 -0B; Type of coordination 2, Iq = 65 kA
<ul> <li>of line contactor usable up to 480 V</li> </ul>	<u>3RT1055</u>
<ul> <li>of line contactor usable up to 690 V</li> </ul>	<u>3RT1055</u>
Seneral 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
buffering time in the event of power failure	

e for main aurrent sizerit	100 mg
for main current circuit     for control circuit	100 ms
• for control circuit	100 ms
insulation voltage rated value	600 V
degree of pollution	3, acc. to IEC 60947-4-2
impulse voltage rated value	6 kV
blocking voltage of the thyristor maximum	1 400 V
service factor	1
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation	
between main and auxiliary circuit	600 V
shock resistance	15 g / 11 ms, from 12 g / 11 ms with potential contact lifting
utilization category according to IEC 60947-4-2	AC-53a
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/23/2019
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof
product function	
• ramp-up (soft starting)	Yes
• ramp-down (soft stop)	Yes
Soft Torque	Yes
<ul> <li>adjustable current limitation</li> </ul>	Yes
• pump ramp down	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
• remote reset	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
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	
• at 40 °C rated value	143 A
• at 50 °C rated value	128 A
at 60 °C rated value	118 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	
<ul> <li>at 230 V at 40 °C rated value</li> </ul>	37 kW
• at 400 V at 40 °C rated value	75 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>	68 A
<ul> <li>at rotary coding switch on switch position 2</li> </ul>	73 A
<ul> <li>at rotary coding switch on switch position 3</li> </ul>	78 A

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relative positive tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 50 Hz  relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  relative negative tolerance of the control supply voltage frequency  relative negative tolerance of the control supply voltage frequency  relative positive tolerance of the control supply voltage frequency  relative positive tolerance of the control supply voltage frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  control supply current of the control supply voltage at DC  control supply current in standby mode rated value  holding current in bypass operation rated value  inrush current by closing the bypass contacts maximum  inrush current peak at application of control supply voltage maximum  duration of inrush current peak at application of control supply voltage maximum  duration of the overvoltage protection  design of short-circuit protection for control circuit  **A g G fuse (Icu=1 kA), 6 A quick-acting fuse (Icu=1 kA), C1 miniature circuit breaker (Icu=800 A), C6 miniature circuit breaker (Icu=300 A); Is not part of scope of supply  **Inputs/ Outputs**  number of digital inputs  number of digital inputs  number of digital inputs  number of digital outputs  • not parameterizable		
relative negative tolerance of the control supply voltage at AC at 60 Hz  relative positive tolerance of the control supply voltage at AC at 60 Hz  control supply voltage frequency  relative positive tolerance of the control supply voltage frequency  relative positive tolerance of the control supply voltage frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  control supply current in standby mode rated value  for the control supply current in standby mode rated value  control supply current in standby mode rated value  inrush current by closing the bypass contacts 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  breaker (lcu= 600 A), C6 miniature circuit breaker (lcu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable	AC at 50 Hz	
relative positive tolerance of the control supply voltage at AC at 60 Hz  control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage at DC • rated value  relative negative tolerance of the control supply voltage at DC • rated value  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value holding current by closing the bypass contacts maximum inrush current by closing the bypass contacts 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  holding current peak of the control for control circuit beaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  number of digital outputs  number of digital outputs  number and the control supply voltage at 20 %  20 %  24 V  -20 %  26 W  27 N  28 N  29 N  20 W  20 W  20 W  21 N  20 W  20 W	AC at 50 Hz	
AC at 60 Hz  control supply voltage frequency relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  relative negative tolerance of the control supply voltage at DC  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum 7.6 A  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  Varistor  design of short-circuit protection for control circuit breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  number of digital inputs  number of digital outputs  • not parameterizable  20 %  24 V  24 V  26 W  20 %  20 %  20 %  20 %  20 %  21.1 ms  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		
relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value holding current by closing the bypass contacts 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  relative positive tolerance of the control supply voltage as 00 mA  7.6 A  3.3 A  3.3 A  4.1 ms  duration of inrush current peak at application of control supply voltage design of the overvoltage protection  design of short-circuit protection for control circuit breaker (lcu= 600 A), C6 miniature circuit breaker (lcu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable		20 %
relative positive tolerance of the control supply voltage frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value  holding current in bypass operation rated value  inrush current by closing the bypass contacts 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  • not parameterizable  10 %	control supply voltage frequency	50 60 Hz
frequency  control supply voltage at DC  • rated value  relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value  holding current in bypass operation rated value  inrush current by closing the bypass contacts maximum  inrush current by closing the bypass contacts maximum  duration of 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  breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  • not parameterizable		-10 %
relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value  holding current in bypass operation rated value  inrush current by closing the bypass contacts 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  20 %  20 %  20 %  20 %  360 mA  37.6 A  38.3 A  48.3 A  49.4 G G use (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  10 supply Sup		10 %
relative negative tolerance of the control supply voltage at DC  relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts maximum rush 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  number of digital outputs  number of digital outputs  number of digital outputs  number of parameterizable  -20 %  20 %	control supply voltage at DC	
relative positive tolerance of the control supply voltage at DC  control supply current in standby mode rated value holding current in bypass operation rated value inrush current by closing the bypass contacts 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  20 %  20 %  20 %  20 %  20 %  20 %  20 %  20 %  20 %  20 %  20 M  A QG mA  21.1 ms  22.1 ms  4. A QG 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		
control supply current in standby mode rated value  holding current in bypass operation rated value  inrush current by closing the bypass contacts 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  160 mA  160 mA  160 mA  160 mA  17.6 A  3.3 A  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  10 municipal outputs  11 municipal outputs  12 municipal outputs  13 municipal outputs  14 outputs  15 municipal outputs  16 maximum  17 municipal outputs  18 municipal outputs  19 municipal outputs  10 municipal outputs  20 mot parameterizable		
holding current in bypass operation rated value  inrush current by closing the bypass contacts 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  o not parameterizable  360 mA  7.6 A  3.3 A  3.3 A  4.4 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 number of digital outputs  1 number of digital outputs  1 ont parameterizable		20 %
inrush current by closing the bypass contacts maximum 7.6 A  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  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  number of digital outputs  o not parameterizable  2	control supply current in standby mode rated value	160 mA
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  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  number of digital outputs  number of parameterizable  3.3 A  3.3 A  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  number of digital outputs 2	holding current in bypass operation rated value	360 mA
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  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  number of digital outputs  o not parameterizable  2	inrush current by closing the bypass contacts maximum	7.6 A
voltage  design of the overvoltage protection  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  number of digital outputs  o not parameterizable  2		3.3 A
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  number of digital outputs  o not parameterizable  2	and the second s	12.1 ms
breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  Inputs/ Outputs  number of digital inputs  number of digital outputs  o not parameterizable  breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of scope of supply  1  2	design of the overvoltage protection	Varistor
number of digital inputs  number of digital outputs  ont parameterizable  1  2	design of short-circuit protection for control circuit	breaker (Icu= 600 A), C6 miniature circuit breaker (Icu= 300 A); Is not part of
number of digital outputs 3  • not parameterizable 2	Inputs/ Outputs	
• not parameterizable 2	number of digital inputs	1
·	number of digital outputs	3
digital output version 2 normally-open contacts (NO) / 1 changeover contact (CO)	not parameterizable	2
	digital output version	2 normally-open contacts (NO) / 1 changeover contact (CO)

1
3 A
1 A
with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
screw fixing
198 mm
120 mm
249 mm
10 mm
0 mm
100 mm
75 mm
5 mm
3.2 kg
0.2 ng
husbar connection
busbar connection
spring-loaded terminals
25 mm
16 120 mm²
16 120 mm²
10 120 mm²
16 70 mm²
16 120 mm²
6 250 kcmil
max. 1x 95 mm², 1x 120 mm²
max. 1x 95 mm², 1x 120 mm²
max. 1x 95 mm², 1x 120 mm²
max. 2x 120 mm²
16 120 mm²
10 120 mm²
16 120 mm²
4 250 kcmil
16 95 mm²
25 120 mm²
2x (0.25 1.5 mm²)
2x (0.25 1.5 mm²)
2x (24 16)
2x (24 16)
800 m
1 000 m
10 14 N·m
0.8 1.2 N·m
0.8 1.2 N·m
0.8 1.2 N·m 

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 according 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 according to IEC 60721</li> </ul>	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 $$
<ul> <li>during transport according to IEC 60721</li> </ul>	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
Environmental footprint	
Siemens Eco Profile (SEP)	Siemens EcoTech
EMC emitted interference	acc. to IEC 60947-4-2: Class A
Communication/ Protocol	
communication module is supported	
PROFINET standard	Yes
EtherNet/IP	Yes
Modbus RTU	Yes
Modbus TCP	Yes
• PROFIBUS	Yes
UL/CSA ratings	
manufacturer's article number	
of circuit breaker	
<ul> <li>usable for Standard Faults at 460/480 V according to UL</li> </ul>	Siemens type: 3VA5225, max. 250 A; Iq = 10 kA
of the fuse	
<ul> <li>usable for Standard Faults up to 575/600 V according to UL</li> </ul>	Type: Class RK5 / K5, max. 350 A; Iq = 10 kA
<ul> <li>usable for High Faults up to 575/600 V according to UL</li> </ul>	Type: Class J, max. 350 A; Iq = 100 kA
operating power [hp] for 3-phase motors	
• at 200/208 V at 50 °C rated value	40 hp
• at 220/230 V at 50 °C rated value	40 hp
• at 460/480 V at 50 °C rated value	100 hp
Electrical Safety	
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	
Safety Integrity Level (SIL) according to IEC 61508 relating to ATEX	SIL1
PFHD with high demand rate according to IEC 61508 relating to ATEX	9E-6 1/h
PFDavg with low demand rate according to IEC 61508 relating to ATEX	0.09
hardware fault tolerance according to IEC 61508 relating to ATEX	0
T1 value for proof test interval or service life according to IEC 61508 relating to ATEX	3 a
certificate of suitability	
• ATEX	Yes
• IECEx	Yes
• UKEX	Yes
Approvals Certificates	

## **General Product Approval**





Confirmation







General Product Ap- EMV For use in hazardous locations Test Certificates

proval



<u>KC</u>





Miscellaneous

Type Test Certificates/Test Report

Marine / Shipping

other

**Environment** 







Confirmation





## Environment

Environmental Confirmations

## 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=3RW5055-2AB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5055-2AB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB04

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW5055-2AB04&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

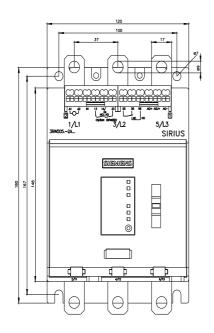
https://support.industry.siemens.com/cs/ww/en/ps/3RW5055-2AB04/cha

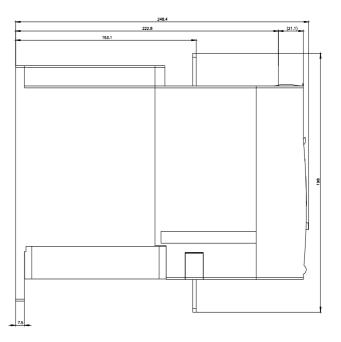
Characteristic: Installation altitude

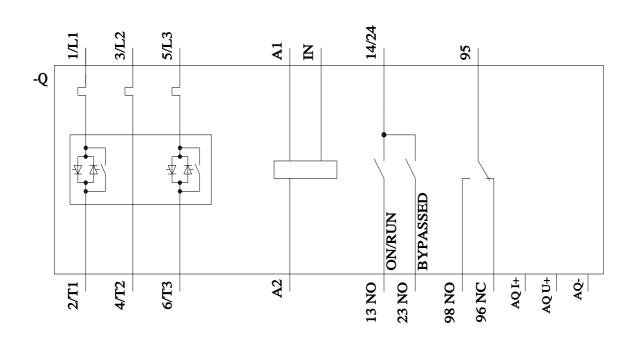
 $\underline{\text{http://www.automation.siemens.com/bilddb/index.aspx?view=Search\&mlfb=3RW5055-2AB04\&objecttype=14\&gridview=view1}$ 

Simulation Tool for Soft Starters (STS)

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







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