SIEMENS

Data sheet 3RW5076-6AB04

SIRIUS



SIRIUS soft starter 200-480 V 470 A, 24 V AC/DC Screw terminals Analog output



product category	Hybrid switching devices	
product designation	Soft starter	
product type designation	3RW50	
manufacturer's article number		
 of standard HMI module usable 	3RW5980-0HS01	
 of high feature HMI module usable 	3RW5980-0HF00	
 of communication module PROFINET standard usable 	3RW5980-0CS00	
 of communication module PROFIBUS usable 	3RW5980-0CP00	
 of communication module Modbus TCP usable 	3RW5980-0CT00	
 of communication module Modbus RTU usable 	3RW5980-0CR00	
 of communication module Ethernet/IP 	3RW5980-0CE00	
 of circuit breaker usable at 400 V 	3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 65 kA	
 of circuit breaker usable at 500 V 	3VA2580-6HN32-0AA0; Type of assignment 1, Iq = 65 kA	
 of the gG fuse usable up to 690 V 	2x3NA3365-6; Type of coordination 1, Iq = 65 kA	
 of full range R fuse link for semiconductor protection usable up to 690 V 	3NE1 436-2; Type of coordination 2, Iq = 65 kA	
 of back-up R fuse link for semiconductor protection usable up to 690 V 	3NE3 340-8; Type of coordination 2, Iq = 65 kA	
 of line contactor usable up to 480 V 	<u>3RT1076</u>	
 of line contactor usable up to 690 V 	<u>3RT1076</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	
buffering time in the event of power failure		

insulation voltage rated value degree of pollution inpulse voltage rated value degree of pollution impulse voltage rated value blocking voltage of the thyristor maximum service factor surge voltage resistance rated value between main and auxiliary circuit shock resistance vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting vibration resistance 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 15 g / 11 ms, from 12 g / 11 ms with potential contact lifting 15 g / 11 ms, from 12 g /	• for main current circuit	100 ms
Institution votage rated value 560 V 100 ct 100 c	for main current circuit for control circuit	100 ms
degree of pollution 3, acc. to IEC 60947-4-2		
Impulse voltage rated value 6 kV 1000 V		
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 6 60 V a between main and austialy circuit 600 V shock resistance 15 g./ 11 ms, from 12 g./ 11 ms with potential contact lifting vibration resistance 15 mb 6 Hz, 2g to 500 Hz utilization category according to IEC 813462 Q vibration resistance 40-233 Sylf-G substance name Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead - 7439-92-1 Lead included (lead build) - 1317-36-8 Lead		
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# between main and auxiliary circuit * control or esistance * ultivation resistance * ultivation resistance * unitivation casegory according to IEC 60847-4-2 * Control or existance code according to IEC 60847-4-2 * Control or existance name * Lead * 7439-82-1 * Lead * 7		
Sebvesen main and auxiliary circuit 500 V 15 mm to 6 Hz. 2g to 500 Hz 15 mm to 500 Hz		6 kV
Shock resistance 18 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 60947-4-2 Q Substance Prohibitance (Date) 092/32/019 SVHC substance name Lead -7439-92-1 Lead monoxidie (lead oxide) - 1317-36-8 2 Weight 8.3 kg product function *** • namp-up (soft starting) Yes • Soft Torque Yes • Soft Torque Yes • pump ramp down Yes • number overload protection Yes • motor overload protection Yes • auto-RESET Yes • remote reset Yes • remote reset Yes • communication function Yes • completing measured value display Yes • via software parameterizable Yes • via software parameterizable Yes • lord cipodock Yes • rated value 36 °C rated value • lord crated value 360 °C rated value • rated valu		
utilization category according to IEC 61947-4-2 AC-63a reference code according to IEC 61346-2 Q SVHC substance Porhibitance (Dato) 0923/2019 SVHC substance name Led - 7439-92-1 Lead - 7639-92-1 Lead - 7639-92-1 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Weight 8 3 kg * ramp-up (soft starting) Yes * ramp-down (soft storp) Yes * soft Torque Yes * adjustable current limitation Yes * pump ramp down Yes * electronical protection Yes * entries device protection Yes <t< th=""><th></th><th></th></t<>		
reference code according to IEC 81346-2 Substance Prohibitance (Dato) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8		·
Substance Prohibitance (Date) 09/23/2019 SYHC substance name Lead 7.439-92-1 Lead noncoxide (lead oxide) - 1317-36-8 Lead monoxide (lead oxide) - 1317-36-8 Lea		
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Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5	· · ·	
product function i namp-up (soft starting) i n	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8
• ramp-up (soft starting) • ramp-down (soft stop) • ramp-down (soft stop) • Soft Torque • adjustable current limitation • Yes • adjustable current limitation • Yes • intrinsic device protection • motor overload protection • revaluation of thermistor motor protection • evaluation of thermistor motor protection • auto-RESET • remote reset • remote reset • communication function • operating measured value display • reror logbook • via software parameterizable • via software configurable • via software configurable • via software configurable • report of the control with the PROFINET Standard communication module • PROFlenergy • via goutput • ves • PROFlenergy • ves • ranglo goutput • ves • PROFlenergy • ves • ranglo goutput • ranglo	Weight	8.3 kg
• ramp-down (soft stop) • Soft Torque • adjustable current limitation • pump ramp down • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • auto-RESET • manual RESET • remote reset • communication function • operating measured value display • error logbook • via software parameterizable • via software parameterizable • via software configurable • via software configurable • vorque control • vorge aramp • torque control • at 40 °C rated value • at 50 °C rated value • at 80 °C rated value • at 80 °C rated value • relative negative tolerance of the operating voltage value voltage • rated value • value V C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 30 V at 40 °C rated value • at 40 °	product function	
Soft Torque adjustable current limitation pump ramp down pump ramp down ves intrinsic device protection evaluation of thermistor motor protection evaluation of thermistor motor protection evaluation of thermistor motor protection No auto-RESET yes manual RESET ves remote reset yes; By turning off the control supply voltage communication function ves; Only in conjunction with special accessories error logbook via software parameterizable via software parameterizable PROFlenergy voltage ramp votage ramp vortage ramp vortage control analog output Prover Electronics poperational current at 40 °C rated value at 50 °C rated value at 60 °C rated val	ramp-up (soft starting)	Yes
adjustable current limitation pump ramp down printinsic device protection pr	• ramp-down (soft stop)	Yes
 pump ramp down intrinsic device protection motor overload protection evaluation of thermister motor protection auto-RESET fees manual RESET remote reset communication function yes communication function operating measured value display via software parameterizable via software parameterizable via software configurable via software configurable votage ramp votage rameterizable with High Feature HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 200 °C rated value<th>Soft Torque</th><th>Yes</th>	Soft Torque	Yes
 intrinsic device protection motor overload protection evaluation of thermistor motor protection evaluation of thermistor motor protection evaluation of thermistor motor protection eauto-RESET fes manual RESET remote reset communication function coperating measured value display error logbook via software parameterizable via software parameterizable via software configurable via configurable<th> adjustable current limitation </th><th>Yes</th>	 adjustable current limitation 	Yes
 motor overload protection evaluation of thermistor motor protection auto-RESET manual RESET remote reset communication function operating measured value display via software parameterizable via software parameterizable via software configurable voltage ramp voltage ramp totroue control analog output ves; a 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) at 40 °C rated value at 60 °C rated value<!--</th--><th> pump ramp down </th><th>Yes</th>	 pump ramp down 	Yes
e evaluation of thermistor motor protection autor-RESET manual RESET remote reset remote reset communication function ves communication function ves; Only in conjunction with special accessories remote reset remote reset communication function ves; Only in conjunction with special accessories remote place with a software parameterizable via software parameterizable via software configurable via software configurable voltage ramp voltage ramp vorting control analog output ves; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value voltage relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage at 220 480 V relative requency 1 rated value 50 Hz relative positive tolerance of the operating frequency relative positive to	 intrinsic device protection 	Yes
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remote reset	• auto-RESET	Yes
communication function operating measured value display error logbook via software parameterizable via software configurable voltage ramp voltage ramp voltage ramp torque control and and off crated value at 40 °C rated value relative positive tolerance of the operating voltage relative positive tolerance of the operating frequency at relative positive tolerance of the operating frequency	• manual RESET	Yes
operating measured value display error logbook via software parameterizable via software configurable voltage ramp torque control analog output Power Electronics operational current at 40 °C rated value at 230 V at 40 °C rated value operating power for 3-phase motors at 40 °C rated value at 230 V at 40 °C rated value at 40 °C rated value at 40 °C rated value at 250 kW Operating frequency 2 rated value at 40 °C rated value at 250 kW Operating frequency 2 rated value at 200 kB 40 °C rated value at 250 kW Operating frequency 2 rated value at 40 °C rated value at 250 kB V relative positive tolerance of the operating frequency	• remote reset	Yes; By turning off the control supply voltage
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• voltage ramp • torque control • nalog output Power Electronics operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • relative negative tolerance of the operating voltage relative positive tolerance of the operating frequency • at 230 V at 40 °C rated value • at 400 V at 40 °C rated value • at 230 V at 40 °C rated value • at 230 V at 40 °C rated value • at 230 V at 40 °C rated value • at 230 V at 40 °C rated value • at 230 V at 40 °C rated value • at 400 V at 40 °C	 via software configurable 	Yes
 torque control analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics at 40 °C rated value at 50 °C rated value at 60 °C rated value at 200 480 V relative negative tolerance of the operating voltage 15 % relative positive tolerance of the operating voltage at 230 V at 40 °C rated value at 230 V at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency 10 % relative negative tolerance of the operating frequency 10 % relative negative tolerance of the operating frequency 10 % relative positive tolerance of the operating frequency 10 % relative positive tolerance of the operating frequency 10 % 	PROFlenergy	Yes; in connection with the PROFINET Standard communication module
analog output Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI) Power Electronics operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value operating voltage rated value 200 480 V relative negative tolerance of the operating voltage rated value 10 % operating power for 3-phase motors at 230 V at 40 °C rated value at 400 V at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 %	 voltage ramp 	Yes
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • rated value • rated value • rated value • rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage • at 230 V at 40 °C rated value 132 kW • at 400 V at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value Operating frequency 2 rated value relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 % relative positive tolerance of the operating frequency 10 %	• torque control	No
operational current • at 40 °C rated value 470 A • at 50 °C rated value 380 A operating voltage • rated value 200 480 V relative negative tolerance of the operating voltage 10 % operating power for 3-phase motors • at 230 V at 40 °C rated value 132 kW • at 400 V at 40 °C rated value 250 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 %	analog output	Yes; 4 20 mA (default) / 0 10 V (parameterizable with High Feature HMI)
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• at 50 °C rated value • at 60 °C rated value 380 A operating voltage • rated value 200 480 V relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage operating power for 3-phase motors • at 230 V at 40 °C rated value • at 400 V at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value foliation of Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 % relative positive tolerance of the operating frequency 10 %	operational current	
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operating voltage	• at 50 °C rated value	416 A
 rated value relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage 10 % operating power for 3-phase motors at 230 V at 40 °C rated value at 400 V at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 % 	at 60 °C rated value	380 A
relative negative tolerance of the operating voltage relative positive tolerance of the operating voltage operating power for 3-phase motors • at 230 V at 40 °C rated value • at 400 V at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 %	operating voltage	
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operating power for 3-phase motors • at 230 V at 40 °C rated value • at 400 V at 40 °C rated value 250 kW Operating frequency 1 rated value 50 Hz Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 %	relative negative tolerance of the operating voltage	-15 %
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 at 400 V at 40 °C rated value Operating frequency 1 rated value Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 % 	operating power for 3-phase motors	
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 %	• at 230 V at 40 °C rated value	132 kW
Operating frequency 2 rated value 60 Hz relative negative tolerance of the operating frequency -10 % relative positive tolerance of the operating frequency 10 %	• at 400 V at 40 °C rated value	250 kW
relative negative tolerance of the operating frequency relative positive tolerance of the operating frequency 10 %	Operating frequency 1 rated value	50 Hz
relative positive tolerance of the operating frequency 10 %	Operating frequency 2 rated value	60 Hz
	relative negative tolerance of the operating frequency	-10 %
adjustable motor current	relative positive tolerance of the operating frequency	10 %
	adjustable motor current	
• at rotary coding switch on switch position 1 200 A	 at rotary coding switch on switch position 1 	200 A
• at rotary coding switch on switch position 2 218 A	 at rotary coding switch on switch position 2 	218 A
• at rotary coding switch on switch position 3 236 A	 at rotary coding switch on switch position 3 	236 A
• at rotary coding switch on switch position 4 254 A	 at rotary coding switch on switch position 4 	254 A

 at rotary coding switch on switch position 5 	272 A
 at rotary coding switch on switch position 6 	290 A
 at rotary coding switch on switch position 7 	308 A
 at rotary coding switch on switch position 8 	326 A
 at rotary coding switch on switch position 9 	344 A
at rotary coding switch on switch position 10	362 A
at rotary coding switch on switch position 11	380 A
	398 A
at rotary coding switch on switch position 12	
at rotary coding switch on switch position 13	416 A
 at rotary coding switch on switch position 14 	434 A
 at rotary coding switch on switch position 15 	452 A
 at rotary coding switch on switch position 16 	470 A
• minimum	200 A
minimum load [%]	15 %; Relative to smallest settable le
power loss [W] for rated value of the current at AC	
 at 40 °C after startup 	56 W
 at 50 °C after startup 	44 W
at 60 °C after startup	37 W
power loss [W] at AC at current limitation 350 %	
at 40 °C during startup	5 344 W
• at 50 °C during startup	4 438 W
• at 60 °C during startup	3 876 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
	AUIDO
control supply voltage at AC	24.1/
• 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
number of analog outputs	
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	1A
nstallation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
mounting position	+/- 22.5° tiltable to the front and back
fastening method	screw fixing
height	230 mm
width	160 mm
depth	282 mm
required spacing with side-by-side mounting	
• forwards	10 mm
backwards	0 mm
• upwards	100 mm
downwards	75 mm
• at the side	5 mm
weight without packaging	7.3 kg
Connections/ Terminals	
type of electrical connection	
for main current circuit	busbar connection
• for control circuit	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 for main contacts for box terminal	
 using the front clamping point solid 	95 300 mm²
 using the front clamping point finely stranded with core end processing 	70 240 mm²
 using the front clamping point finely stranded without core end processing 	70 240 mm²
 using the front clamping point stranded 	95 300 mm²
 using the back clamping point solid 	120 240 mm²
 r box terminal using the back clamping point 	250 500 kcmil
 using both clamping points solid 	min. 2x 70 mm², max. 2x 240 mm²
 using both clamping points finely stranded with core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 using both clamping points finely stranded without core end processing 	min. 2x 50 mm², max. 2x 185 mm²
 using both clamping points stranded 	min. 2x 70 mm², max. 2x 240 mm²
 using the back clamping point finely stranded with core end processing 	120 185 mm²
 using the back clamping point finely stranded without core end processing 	120 185 mm²
using the back clamping point stranded	120 240 mm²
type of connectable conductor cross-sections	
 for AWG cables for main current circuit solid 	2/0 500 kcmil
 for DIN cable lug for main contacts stranded 	50 240 mm²
for DIN cable lug for main contacts finely stranded	70 240 mm²
type of connectable conductor cross-sections	
for control circuit solid	1x (0.5 4.0 mm²), 2x (0.5 2.5 mm²)
 for control circuit finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables for control circuit solid	1x (20 12), 2x (20 14)
wire length	
 between soft starter and motor maximum 	800 m
at the digital inputs at AC maximum	1 000 m
tightening torque	
 for main contacts with screw-type terminals 	14 24 N·m
 for auxiliary and control contacts with screw-type terminals 	0.8 1.2 N·m
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	124 210 lbf-in
 for auxiliary and control contacts with screw-type terminals 	7 10.3 lbf·in
Ambient conditions	
installation altitude at height above sea level maximum	5 000 m; derating as of 1000 m, see Manual
ambient temperature	

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)
Environmental footprint	
Global Warming Potential [CO2 eq] total	464 kg
Global Warming Potential [CO2 eq] during manufacturing	87.4 kg
global warming potential [CO2 eq] during sales	2.05 kg
Global Warming Potential [CO2 eq] during operation	407 kg
Global Warming Potential [CO2 eq] after end of life	-32.4 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
Electromagnetic compatibility	
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 according to UL	Type: Class L, max. 1600 A; Iq = 30 kA
— usable for High Faults up to 575/600 V according to	Type: Class L, max. 1200 A; Iq = 100 kA
UL	Type. Glass L, Illax. 1200 A, 14 - 100 KA
operating power [hp] for 3-phase motors	
 at 200/208 V at 50 °C rated value 	150 hp
● at 220/230 V at 50 °C rated value	150 hp
• at 460/480 V at 50 °C rated value	350 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	
General Froduct Approval	



Confirmation









EMV For use in hazardous locations Test Certificates Marine / Shipping





Miscellaneous

Type Test Certificates/Test Report



Marine / Shipping

other

Environment





Confirmation





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=3RW5076-6AB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW5076-6AB04

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

https://support.industry.siemens.com/cs/ww/en/ps/3RW5076-6AB04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW5076-6AB04&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

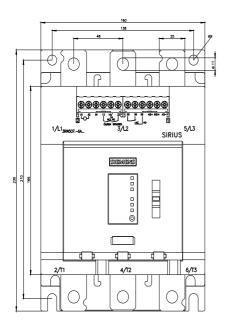
https://support.industry.siemens.com/cs/ww/en/ps/3RW5076-6AB04/char

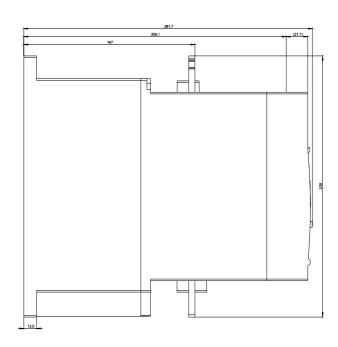
Characteristic: Installation altitude

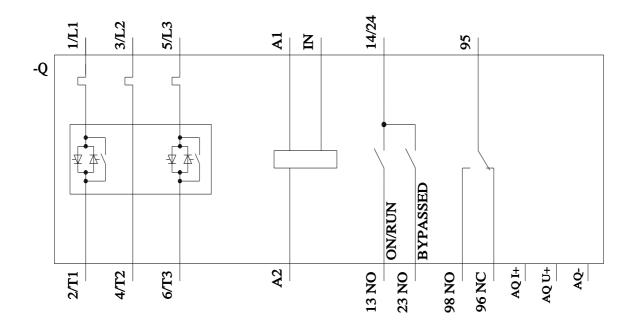
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RW5076-6AB04&objecttype=14&gridview=view1

Simulation Tool for Soft Starters (STS)

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







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