



SIRIUS SOFT STARTER, VALUES AT 400V,  
40DEGREES, STANDARD: 1076A, 630KW, INSIDE  
DELTA: 1864A, 1100KW, AC 200-460V, AC 230V,  
SCREW TERMINALS

General technical data:		
product brand name		SIRIUS
• Product equipment Integrated bypass contact system		Yes
• Product feature Thyristors		Yes
Product function		
• Intrinsic device protection		Yes
• motor overload protection		Yes
• Evaluation of thermistor motor protection		Yes
• External reset		Yes
• Adjustable current limitation		Yes
• Inside-delta circuit		Yes
Product component Motor brake output		Yes
Equipment marking acc. to DIN EN 61346-2		Q
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		G
Power Electronics:		
Operating current		

• at 40 °C rated value	A	1 076
• at 50 °C rated value	A	970
• at 60 °C rated value	A	880
<b>Operating current for three-phase motors at inside-delta circuit</b>		
• at 40 °C rated value	A	1 864
• at 50 °C rated value	A	1 680
• at 60 °C rated value	A	1 524
<b>Mechanical power output for three-phase motors</b>		
• at 230 V		
— at standard circuit at 40 °C rated value	W	355 000
— at inside-delta circuit at 40 °C rated value	W	630 000
• at 400 V		
— at standard circuit at 40 °C rated value	W	630 000
— at inside-delta circuit at 40 °C rated value	W	1 100 000
<b>Yielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C rated value</b>	hp	350
Operating frequency rated value	Hz	50 ... 60
<b>Relative negative tolerance of the operating frequency</b>	%	-10
<b>Relative positive tolerance of the operating frequency</b>	%	10
<b>Operating voltage at standard circuit rated value</b>	V	200 ... 460
<b>Relative negative tolerance of the operating voltage at standard circuit</b>	%	-15
<b>Relative positive tolerance of the operating voltage at standard circuit</b>	%	10
<b>Operating voltage at inside-delta circuit rated value</b>	V	200 ... 460
<b>Relative negative tolerance of the operating voltage at inside-delta circuit</b>	%	-15
<b>Relative positive tolerance of the operating voltage at inside-delta circuit</b>	%	10
<b>Minimum load [% of IM]</b>	%	8
<b>Adjustable motor current for motor overload protection minimum rated value</b>	A	215
<b>Continuous operating current [% of I<sub>e</sub>] at 40 °C</b>	%	115
<b>Power loss [W] at operating current at 40 °C during operation typical</b>	W	510
<b>Control electronics:</b>		
<b>Type of voltage of the control supply voltage</b>		AC
<b>Control supply voltage frequency 1 rated value</b>	Hz	50
<b>Control supply voltage frequency 2 rated value</b>	Hz	60
<b>Relative negative tolerance of the control supply voltage frequency</b>	%	-10

<b>Relative positive tolerance of the control supply voltage frequency</b>	%	10
Control supply voltage 1 at AC		
• at 50 Hz rated value	V	230
• at 60 Hz rated value	V	230
<b>Relative negative tolerance of the control supply voltage at AC at 60 Hz</b>	%	-15
<b>Relative positive tolerance of the control supply voltage at AC at 60 Hz</b>	%	10
<b>Display version for fault signal</b>		Display

#### Mechanical data:

<b>Width</b>	mm	575
<b>Height</b>	mm	780
<b>Depth</b>	mm	292
<b>Mounting type</b>		screw fixing
<b>Mounting position</b>		with vertical mounting surface +/- 90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
<b>Required spacing with side-by-side mounting</b>		
• upwards	mm	100
• at the side	mm	5
• downwards	mm	75
<b>Installation altitude at height above sea level</b>	m	5 000
<b>Wire length maximum</b>	m	500
<b>Number of poles for main current circuit</b>		3

#### Connections/ Terminals:

<b>Type of electrical connection</b>		
• for main current circuit		busbar connection
• for auxiliary and control current circuit		screw-type terminals
<b>Number of NC contacts for auxiliary contacts</b>		0
<b>Number of NO contacts for auxiliary contacts</b>		3
<b>Number of CO contacts for auxiliary contacts</b>		1
Type of connectable conductor cross-sections for DIN cable lug for main contacts		
• finely stranded		50 ... 240 mm²
• stranded		70 ... 240 mm²
<b>Type of connectable conductor cross-sections for auxiliary contacts</b>		
• solid		2x (0.5 ... 2.5 mm²)
• finely stranded with core end processing		2x (0.5 ... 1.5 mm²)
<b>Type of connectable conductor cross-sections at AWG conductors</b>		
• for main contacts		2/0 ... 500 kcmil

- for auxiliary contacts
- for auxiliary contacts finely stranded with core end processing

2x (20 ... 14)

2x (20 ... 16)

#### Ambient conditions:

##### Ambient temperature

- during operation
- during storage

°C

60

°C

-25 ... +80

##### Derating temperature

°C

40

##### Protection class IP

IP00

#### Certificates/ approvals:

##### General Product Approval

##### EMC

##### Declaration of Conformity



CCC



CSA



UL



C-Tick



EG-Konf.

##### Test Certificates

##### Shipping Approval

[spezielle  
Prüfbescheinigung  
n](#)



ABS



BUREAU  
VERITAS



DNV



GL



LRS

##### Shipping Approval

##### other



PRS

[Umweltbestätigung](#)

[Bestätigungen](#)

#### UL/CSA ratings:

##### Yielded mechanical performance [hp] for three-phase AC motor

##### • at 200/208 V

— at inside-delta circuit at 50 °C rated value

hp

650

##### • at 220/230 V

— at standard circuit at 50 °C rated value

hp

400

— at inside-delta circuit at 50 °C rated value

hp

750

##### • at 460/480 V

— at standard circuit at 50 °C rated value

hp

850

— at inside-delta circuit at 50 °C rated value

hp	1 500
Contact rating of auxiliary contacts according to UL	B300 / R300

#### Further information

##### Simulation Tool for Soft Starters (STS)

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

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

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

##### Cax online generator

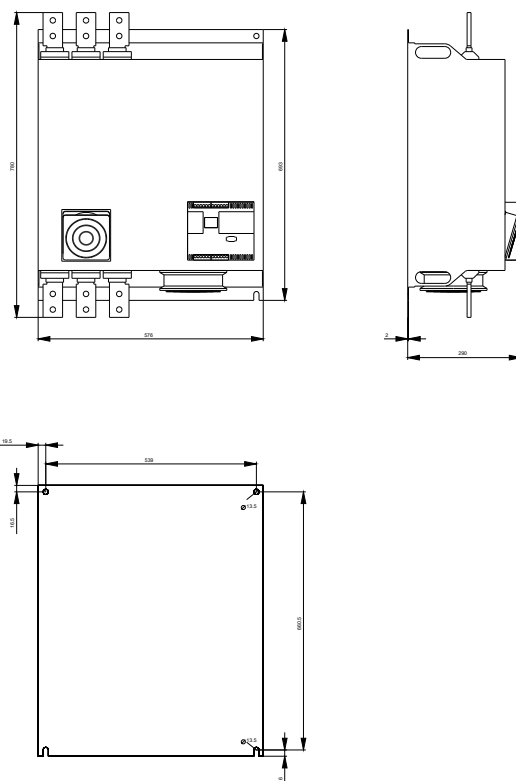
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4465-6BC44>

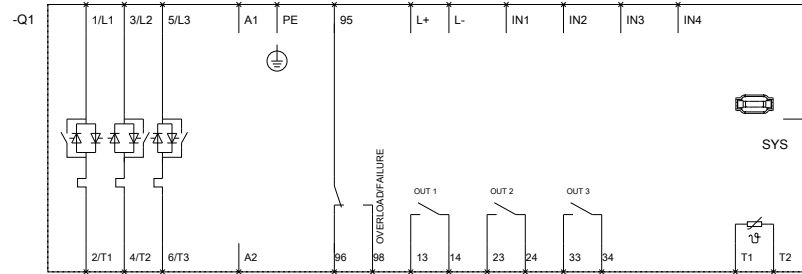
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RW4465-6BC44>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW4465-6BC44&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4465-6BC44&lang=en)





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