

SIRIUS SOFT STARTER, VALUES AT 575V,  
50DEGREES, STANDARD: 885A, 1000HP,  
INSIDE DELTA: 1533A, 1750HP,  
AC 400-690V, AC 115V,  
SPRING-LOADED TERMINALS

### General details:

<b>product brand name</b>		SIRIUS
<b>Product equipment</b>		
• integrated bridging contact system		Yes
• thyristors		Yes
<b>Product function</b>		
• intrinsic device protection		Yes
• motor overload protection		Yes
• evaluation of thermal resistor motor protection		Yes
• reset external		Yes
• adjustable current limitation		Yes
• inside-delta circuit		Yes
<b>Product component / outlet for enine brake</b>		Yes
<b>Item designation</b>		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		G

### Power Electronics:

<b>product designation</b>		soft starters for high feature applications
Operating current		

• at 40 °C / rated value	A	1,076
• at 50 °C / rated value	A	970
• at 60 °C / rated value	A	880
• for three-phase servomotors / at 3-phase root switching		
• 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>Emitted mechanical power / for three-phase servomotors</b>		
• at 400 V / at standard switching / at 40 °C		
• rated value	W	630,000
• at 500 V / at standard switching / at 40 °C		
• rated value	W	800,000
• at 690 V / at standard switching / at 40 °C		
• rated value	W	1,100,000
• at 400 V / at 3-phase root switching / at 40 °C		
• rated value	W	1,100,000
• at 500 V / at 3-phase root switching / at 40 °C		
• rated value	W	1,350,000
<b>Operating frequency</b>		
• 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 / with standard circuit / rated value</b>	V	400 ... 690
<b>Relative negative tolerance / of the operating voltage / with standard circuit</b>	%	-15
<b>Relative positive tolerance / of the operating voltage / with standard circuit</b>	%	10
<b>Operating voltage / at 3-phase root switching / rated value</b>	V	400 ... 600
<b>Relative negative tolerance / of the operating voltage / with inside-delta circuit</b>	%	-15
<b>Relative positive tolerance / of the operating voltage / with inside-delta circuit</b>	%	10
<b>Minimum load in % of I<sub>M</sub></b>	%	8
<b>Adjustable rated current / of the motor / for motor overload protection / minimum</b>	A	215
<b>Continuous operating current in % of I<sub>e</sub> / at 40°C</b>	%	115
<b>Active power loss / at operating current / at 40°C / during operating phase / typical</b>	W	510
<b>Control electronics:</b>		
<b>Type of voltage / of the controlled 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
<b>Control supply voltage / 1</b>		
• at 50 Hz / for AC	V	115
• at 60 Hz / for AC	V	115
<b>Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC</b>	%	-15
<b>Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC</b>	%	10
<b>Type of display / for fault signal</b>		Display

#### Mechanical design:

<b>Width</b>	mm	575
<b>Height</b>	mm	780
<b>Depth</b>	mm	292
<b>Type of mounting</b>		screw fixing
<b>mounting position</b>		bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar
<b>Distance, to be maintained, to the ranks assembly</b>		
• upwards	mm	100
• sideways	mm	5
• downwards	mm	75
<b>Installation altitude / at a height over sea level</b>	m	5,000
<b>Cable length / maximum</b>	m	500
<b>Number of poles / for main current circuit</b>		3

#### Electrical connections:






<b>Design of the electrical connection</b>		
• for main current circuit		busbar connection
• for auxiliary and control current circuit		spring-loaded terminals
<b>Number of NC contacts / for auxiliary contacts</b>		0
<b>Number of NO contacts / for auxiliary contacts</b>		3
<b>Number of change-over switches / for auxiliary contacts</b>		1
<b>Type of the connectable conductor cross-section / for DIN cable lug / for main contacts</b>		
• finely stranded		50 ... 240 mm <sup>2</sup>
• stranded		70 ... 240 mm <sup>2</sup>
<b>Type of the connectable conductor cross-section</b>		
• for AWG conductors / for main contacts		2/0 ... 500 kcmil

<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (24 ... 16)

### Ambient conditions:

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> </ul>	/ °C °C	60 -25 ... +80
<b>Derating temperature</b>	°C	40
<b>Protection class IP</b>		IP00

### Certificates/approvals:

General Product Approval				EMC	Test Certificates
					<a href="#">Special Test Certificate</a>
CCC	CSA	GOST	UL	C-TICK	

### Shipping Approval

				
BUREAU VERITAS	DNV	GL	LRS	PRS

### other

<a href="#">Declaration of Conformity</a>	<a href="#">Environmental Confirmations</a>
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### UL/CSA ratings

<b>yielded mechanical performance (hp) / for three-phase squirrel cage motors</b>		
<ul style="list-style-type: none"> <li>• at 460/480 V / at standard circuit <ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul> </li> <li>• at 575/600 V / at standard circuit <ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul> </li> <li>• at 460/480 V / at inside-delta circuit / at 50 °C / rated value</li> <li>• at 575/600 V / at inside-delta circuit / at 50 °C / rated value</li> </ul>	hp hp hp hp	850 1,100 1,500 1,900
<b>Contact rating designation / for auxiliary contacts / according to UL</b>		B300 / R300

### Further information:

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

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

**Industry Mall (Online ordering system)**

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

**CAX-Online-Generator**

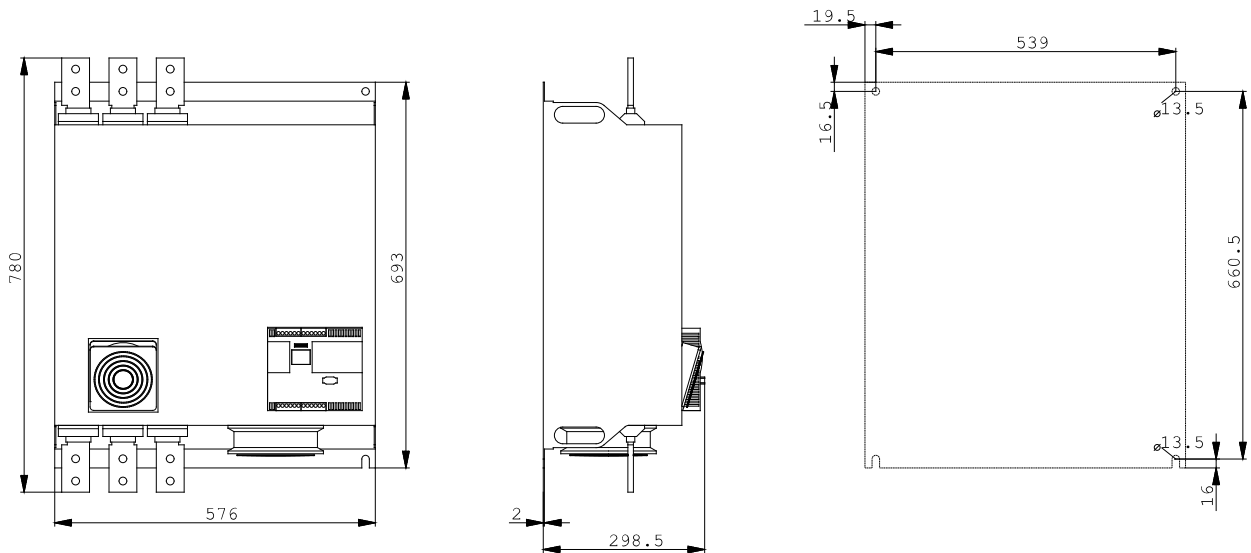
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RW4465-2BC36/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RW4465-2BC36](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW4465-2BC36)



last change:

Feb 7, 2013