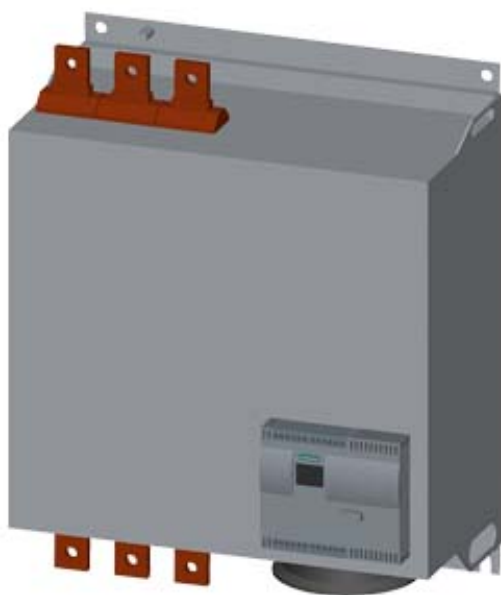




SIRIUS SOFT STARTER, VALUES AT 400V,
40DEG., STANDARD: 780A, 450KW,
INSIDE-DELTA CIRCUIT 3: 1351A, 800KW,
200-460V AC, 230V AC, SCREW TERMINALS

General details:

product brand name		SIRIUS
Product feature		
• integrated bypass contact system		Yes
• 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
Reference code		
• acc. to DIN EN 61346-2		Q
• acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		G

Power Electronics:

Product designation		soft starters for high feature applications
Operating current		

• at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value • for three-phase motors / at 3-phase root switching • at 40 °C / Rated value • at 50 °C / Rated value • at 60 °C / Rated value	A	780
	A	693
	A	615
	A	1,351
	A	1,200
	A	1,065
Mechanical power output / for three-phase motors		
• at 230 V / at standard circuit / at 40 °C • Rated value • at 400 V / at standard circuit / at 40 °C • Rated value • at 230 V / at 3-phase root switching / at 40 °C • Rated value • at 400 V / at 3-phase root switching / at 40 °C • Rated value	W	250,000
	W	450,000
	W	450,000
	W	800,000
yielded mechanical performance [hp] / for three-phase AC motor / at 200/208 V / at standard circuit / at 50 °C / Rated value	hp	200
Operating frequency		
• Rated value	Hz	50 ... 60
Relative negative tolerance / of the operating frequency	%	-10
Relative positive tolerance / of the operating frequency	%	10
Operating voltage / at standard circuit / Rated value	V	200 ... 460
Relative negative tolerance / of the operating voltage / at standard circuit	%	-15
Relative positive tolerance / of the operating voltage / at standard circuit	%	10
Operating voltage / at 3-phase root switching / Rated value	V	200 ... 460
Relative negative tolerance / of the operating voltage / at 3-phase root switching	%	-15
Relative positive tolerance / of the operating voltage / at 3-phase root switching	%	10
Minimum load in % of I_M	%	8
Adjustable motor current / for motor overload protection / minimum rated value	A	156
Continuous operating current in % of I_e / at 40 °C	%	115
Active power loss / at operating current / at 40 °C / during operation / typical	W	214
Control electronics:		
Type of voltage / of the control supply voltage		AC
Control supply voltage frequency / 1 / Rated value	Hz	50

Control supply voltage frequency / 2 / Rated value	Hz	60
Relative negative tolerance / of the control supply voltage frequency	%	-10
Relative positive tolerance / of the control supply voltage frequency	%	10
Control supply voltage / 1		
• with AC / at 50 Hz	V	230
• with AC / at 60 Hz	V	230
Relative negative tolerance / of the control supply voltage / with AC / at 60 Hz	%	-15
Relative positive tolerance / of the control supply voltage / with AC / at 60 Hz	%	10
Display version / for fault signal		Display

Mechanical design:		
Width	mm	510
Height	mm	640
Depth	mm	290
Mounting type		screw fixing
mounting position		bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar
Spacing required with side-by-side mounting		
• upwards	mm	100
• at the side	mm	5
• downwards	mm	75
Installation altitude / at height above sea level	m	5,000
Cable length / maximum	m	500
Number of poles / for main current circuit		3

Electrical connections:		
Design of the electrical connection		
• for main current circuit		busbar connection
• for auxiliary and control current circuit		screw-type terminals
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		3
Number of CO contacts / for auxiliary contacts		1
Type of connectable conductor cross-section / for DIN cable lug / for main contacts		
• finely stranded		50 ... 240 mm²
• stranded		70 ... 240 mm²
Type of connectable conductor cross-section		
• for AWG conductors / for main contacts		2/0 ... 500 kcmil

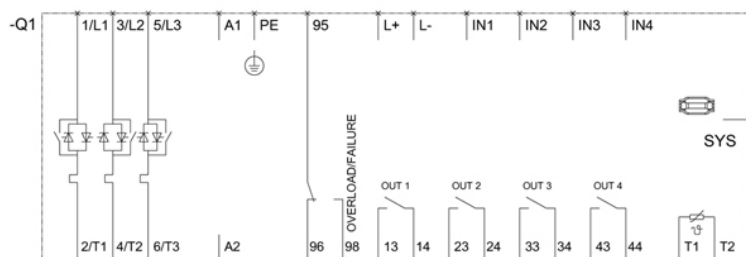
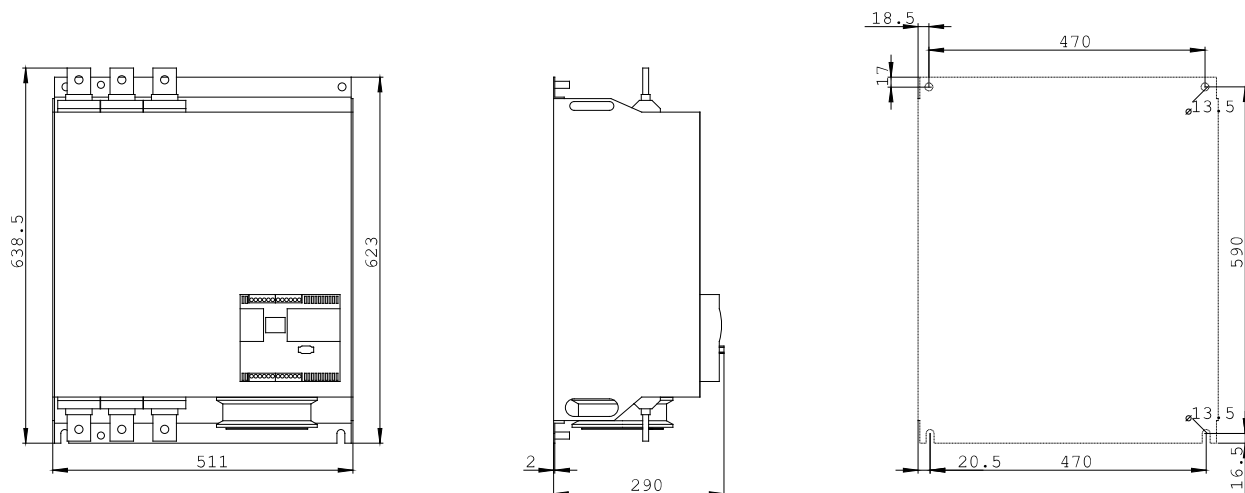
Type of connectable conductor cross-section		
• for auxiliary contacts • solid • finely stranded / with core end processing		2x (0.5 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²)
• for AWG conductors / for auxiliary contacts • finely stranded / with core end processing		2x (20 ... 14) 2x (20 ... 16)

Ambient conditions:		
Ambient temperature		
• during operation	/ °C	60
• during storage	°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		other		
Special Test Certificate				Environmental Confirmations	
	ABS	DNV	LRS		

UL/CSA ratings		
yielded mechanical performance [hp] / for three-phase AC motor		
• at 220/230 V / at standard circuit • at 50 °C / Rated value • at 460/480 V / at standard circuit • at 50 °C / Rated value • at 200/208 V / at 3-phase root switching / at 50 °C / Rated value • at 220/230 V / at 3-phase root switching / at 50 °C / Rated value • at 460/480 V / at 3-phase root switching / at 50 °C / Rated value	hp	250 600 450 500 1,050
Contact rating / of the auxiliary contacts / acc. to UL		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



last change:

Sep 29, 2014