SIEMENS

Product data sheet

3RW4073-6BB44



SIRIUS SOFT STARTER, S12, 230 A, 132 KW/400 V, 40 DEG., 200-460 V AC, 230 V AC, SCREW TERMINALS

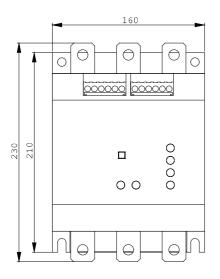
General details:				
product brand name	SIRIUS			
Product equipment				
 integrated bridging contact system 	Yes			
• thyristors	Yes			
Product function				
intrinsic device protection	Yes			
motor overload protection	Yes			
 evaluation of thermal resistor motor protection 	No			
reset external	Yes			
adjustable current limitation	Yes			
• inside-delta circuit	No			
Product component / outlet for enine brake	No			
Reference code				
according to DIN EN 61346-2	Q			
 according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 	G			
Power Electronics:				
Product designation	soft starters for standard applications			
Operating current				

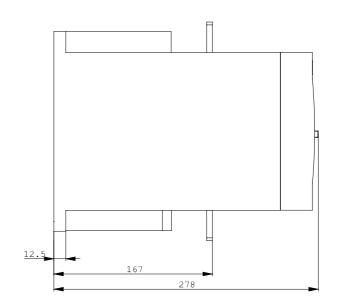
• at 40 °C / rated value	А	230
• at 50 °C / rated value	А	205
• at 60 °C / rated value	А	180
Emitted mechanical power / for three-phase servomotors		
\bullet at 230 V / at standard switching / at 40 $^{\circ}\text{C}$		
rated value	W	75,000
• at 400 V / at standard switching / at 40 °C		
rated value	W	132,000
yielded mechanical performance [hp] / for three-phase squirrel cage motors / at 200/208 V / at standard circuit / at 50 °C / rated value	hp	60
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 / with standard circuit / rated value	V	200 460
Relative negative tolerance / of the operating voltage / with standard circuit	%	-15
Relative positive tolerance / of the operating voltage / with standard circuit	%	10
Minimum load in % of I_M	%	20
Adjustable rated current of the motor / for motor overload protection / minimum	A	80
Continuous operating current in % of I_e / at 40°C	%	115
Active power loss / at operating current / at 40°C / during operating phase / typical	W	90
Control electronics:		
Voltage type / of control feed 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		
• for AC / at 50 Hz	V	230
• for AC / at 60 Hz	V	230
Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC	%	-15
Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC	%	10
Type of display / for fault signal		red

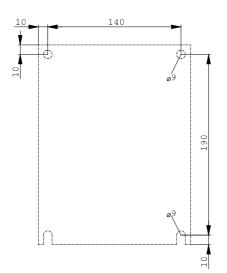
Mechanical design:		
Size of the engine control device		S12
Width	mm	160
Height	mm	230
Depth	mm	278
Mounting type		screw fixing
mounting position		With additional fan: With vertical mounting surface +/- 90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/- 10° rotatable, with vertical mounting surface +/- 10° t
Distance, to be maintained, to the ranks assembly		
• upwards	mm	100
• sidewards	mm	5
downwards	mm	75
Installation altitude / at a height over sea level	m	5,000
Cable length / maximum	m	300
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		2
Number of changeover contacts / for auxiliary contacts		1
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the front clamping point		
 finely stranded / with conductor end processing 		70 240 mm²
 finely stranded / without conductor end processing 		70 240 mm²
• stranded		95 300 mm2
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the back clamping point		
 finely stranded / with conductor end processing 		120 185 mm²
 without conductor final cutting / without conductor end processing 		120 185 mm²
• stranded		120 240 mm2
Type of the connectable conductor cross-section / for main contacts / for box terminal / when using both clamping points		
 finely stranded / with conductor end processing 		min. 2x 50 mm², max. 2x 185 mm²
 without conductor final cutting / without conductor end processing 		min. 2x 50 mm², max. 2x 185 mm²

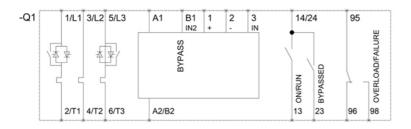
 stranded 				max. 2x	< 70 mm2, max. 2x 2	40 mm2
Type of the connecta conductors / for main						
 when using the ba 	ck cl			250 \$	500 kcmil	
 when using the fro 	nt c			3/0 6	00 kcmil	
when using both c	lampi			min. 2x	2/0, max. 2x 500 kc	mil
Type of the connecta lug / for main contact		ss-section / for DIN cable				
 finely stranded 				50 240 mm2		
 stranded 				70 240 mm2		
Type of the connecta	ble conductor cros	s-section				
for AWG conducto	rs / for main contact	S		2/0 5	00 kcmil	
Type of the connecta	ble conductor cros	ss-section				
 for auxiliary contact 	ots					
• solid				2x (0.5	2.5 mm²)	
 finely stranded 	/ with conductor end	processing		2x (0.5	1.5 mm²)	
 for AWG conducto 	rs / for auxiliary con	tacts		2x (20 14)		
 finely stranded / 	with wire end proc			2x (20 16)		
Ambient conditions	s:					
Ambient temperature						
 during operating 			°C	-25 +60		
during storage			°C	-40 +80		
Derating temperature	•		°C	40		
Protection class IP				IP00		
Certificates/approv	als:					
General Product Ap	proval				EMC	For use in hazardous locations
	(SA)	EAC			С	X ATEX
Test Certificates	Shipping Approv	/al			other	
Special Test Certificate		GL	Lloyd's Register LRS		Declaration of Conformity	Environmental Confirmations
UL/CSA ratings						
yielded mechanical p cage motors	erformance [hp] / f	or three-phase squirrel				
• at 220/230 V / at s	tandard circuit					
• at 50 °C / rated	value		hp	75		

• at 460/480 V / at standard circuit				
• at 50 °C / rated value	hp	150		
Contact rating designation / for auxiliary contacts / according 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				
CAx-Online-Generator http://www.siemens.com/cax				
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RW4073-6BB44/all				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW4073-6BB44				









last change:

Jul 7, 2014