SIEMENS

Data sheet

3RW44 26-3BC44



SIRIUS SOFT STARTER, VALUES WITH 400 V, 40 DEG., STANDARD: 77A, 37KW, INSIDE-DELTA CIRCUIT 3: 133A, 75KW, 200-460 V AC, 230 V AC, CAGE CLAMP TERMINALS

General technical data:			
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		
Equipment marking acc. to DIN EN 61346-2	Q		
Equipment marking acc. to DIN 40719 extended	G		
according to IEC 204-2 acc. to IEC 750			
Power Electronics:			

Product designation		soft starters for high feature applications
Operating current		
• at 40 °C Rated value	А	77
• at 50 °C Rated value	А	68
• at 60 °C Rated value	А	59
Operating current for three-phase motors at 3-phase root switching		
• at 40 °C Rated value	А	133

	•	
• at 50 °C Rated value	A	118
• at 60 °C Rated value	A	102
Mechanical power output for three-phase motors		
• at 230 V		
— at standard circuit at 40 °C Rated value	W	18 500
— at 3-phase root switching at 40 °C Rated value	W	37 000
• at 400 V		
— at standard circuit at 40 °C Rated value	W	37 000
— at 3-phase root switching at 40 °C Rated value	W	75 000
yielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C Rated value	metric hp	20
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	15
Continuous operating current in % of I_e at 40 °C	%	115
Active power loss at operating current at 40 °C during operation typical	W	45
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 60 Hz Rated value	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 data:		
Width	mm	170
Height	mm	192
Depth	mm	270
Mounting type		screw fixing
mounting position		bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar
Required spacing 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

Connections/ Terminals:			
Type of electrical connection			
 for main current circuit 	1	box terminals	
 for auxiliary and control current circuit 	:	spring-loaded 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 main contacts for box terminal using the front clamping point			
• solid	:	2.5 16 mm²	
 finely stranded with core end processing 		2.5 35 mm²	
 finely stranded without core end processing 	4	4 50 mm²	
• stranded	4	4 70 mm²	
Type of connectable conductor cross-section for main contacts for box terminal using the back clamping point			
• solid	:	2,5 16 mm²	
 finely stranded with core end processing 	:	2.5 50 mm²	
 finely stranded without core end processing 		10 50 mm²	
• stranded	•	10 70 mm²	

Type of connectable conductor cross-section for		
main contacts for box terminal using both clamping		
points		
• solid		2x (2.5 16 mm²)
 finely stranded with core end processing 		2x (2.5 35 mm²)
 finely stranded without core end processing 		2x (4 35 mm²)
• stranded		2x (4 50 mm²)
Type of connectable conductor cross-section for		
AWG conductors for main contacts for box terminal		
 using the back clamping point 		10 2/0
 using the front clamping point 		10 2/0
 using both clamping points 		2x (10 1/0)
Type of connectable conductor cross-section for		
auxiliary contacts		
• solid		2x (0.25 1.5 mm²)
 finely stranded with core end processing 		2x (0.25 1.5 mm²)
Type of connectable conductor cross-section for		
AWG conductors		
 for auxiliary contacts 		2x (24 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 Produc	t Approval			EMC	Declaration of Conformity
	CSA		EHC	С-тіск	EG-Konf.
Test Certificates	S	Shipping Ap	Shipping Approval		
Type Test	Special Test	ICAN BU	WAU VER	0.0	



UL/CSA ratings:		
yielded mechanical performance [hp] for three-phase AC motor		
• at 200/208 V		
— at 3-phase root switching at 50 °C Rated value	metric hp	30
● at 220/230 V		
— at standard circuit at 50 °C Rated value	metric hp	20
— at 3-phase root switching at 50 °C Rated value	metric hp	40
● at 460/480 V		
— at standard circuit at 50 °C Rated value	metric hp	50
— at 3-phase root switching at 50 °C Rated value	metric hp	75
Contact rating of the auxiliary contacts acc. to UL		B300 / R300

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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=3RW44263BC44

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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RW44263BC44&lang=en







