SIEMENS

Data sheet

3RW4075-6BB44



SIRIUS soft starter S12 356 A, 200 kW/400 V, 40 °C 200-460 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5075-6AB14<<

General technical data		
product brand name		SIRIUS
product designation		Soft starter
product feature		
 integrated bypass contact system 		Yes
thyristors		Yes
product function		
intrinsic device protection		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		No
external reset		Yes
 adjustable current limitation 		Yes
• inside-delta circuit		No
product component motor brake output		No
insulation voltage rated value	V	600
degree of pollution		3, acc. to IEC 60947-4-2
reference code according to EN 61346-2		Q
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G
Power Electronics		
operational current		
• at 40 °C rated value	A	356
• at 50 °C rated value	А	315
• at 60 °C rated value	А	280
yielded mechanical performance for 3-phase motors		
• at 230 V		
- at standard circuit at 40 °C rated value	kW	110
• at 400 V		
 — at standard circuit at 40 °C rated value 	kW	200
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	100
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
minimum load [%]	%	20
adjustable motor current for motor overload protection minimum rated value	А	131

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continuous operating current [% of le] at 40 °C	%	115		
power loss [W] at operational current at 40 °C during	W	125		
operation typical Control circuit/ Control				
	_	10		
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 at AC				
 at 50 Hz rated value 	V	230		
at 60 Hz rated value	V	230		
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-15		
relative positive tolerance of the control supply voltage at AC at 50 Hz	%	10		
relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-15		
relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10		
display version for fault signal		red		
Mechanical data				
size of engine control device		S12		
width	mm	160		
height	mm	230		
depth	mm	278		
fastening method		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		
required spacing with side-by-side mounting				
• upwards	mm	100		
• at the side	mm	5		
downwards	mm	75		
wire length maximum	m	300		
number of poles for main current circuit		3		
Connections/ Terminals				
type of electrical connection				
 for main current circuit 		busbar connection		
 for auxiliary and control circuit 		screw-type terminals		
number of NC contacts for auxiliary contacts		0		
number of NO contacts for auxiliary contacts		2		
number of CO contacts for auxiliary contacts		1		
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point				
 finely stranded with core end processing 		70 240 mm²		
 finely stranded without core end processing 		70 240 mm²		
• stranded		95 300 mm ²		
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point				
finely stranded with core end processing		120 185 mm²		
 finely stranded without core end processing 		120 185 mm ²		
stranded		120 240 mm ²		
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points				
finely stranded with core end processing		min. 2x 50 mm², max. 2x 185 mm²		
 finely stranded with one one processing finely stranded without core end processing 		min. 2x 50 mm², max. 2x 185 mm²		
stranded		max. 2x 70 mm ² , max. 2x 240 mm ²		
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal				
using the back clamping point		250 500 kcmil		
		3/0 600 kcmil		
 using the front clamping point 		5/0 000 KUTHI		

 using both clamping points 		min 2x 2/0 m	ax. 2x 500 kcmil			
• using both clamping points ype of connectable conductor cross-sections for DIN	cable	11111. ZA Z/U, III				
ug for main contacts	Cable					
 finely stranded 		50 240 mm²				
stranded		70 240 mm²				
ype of connectable conductor cross-sections for auxi	iliary					
ontacts						
• solid		2x (0.5 2.5				
finely stranded with core end processing		2x (0.5 1.5	mm²)			
ype of connectable conductor cross-sections for AW0 ables	G					
 for main contacts 		2/0 500 kcmil				
 for auxiliary contacts 		2x (20 14)				
 for auxiliary contacts finely stranded with core end processing 		2x (20 16)				
bient conditions						
nstallation altitude at height above sea level	m	5 000				
nvironmental category						
 during transport according to IEC 60721 		2K2, 2C1, 2S7	1, 2M2 (max. fall height 0.	3 m)		
 during storage according to IEC 60721 			asional condensation), 1C			
			t get inside the devices),			
during operation according to IEC 60721			tion of ice, no condensati st not get into the devices			
mbient temperature		(,, , , , , , , , , , , , , , , , , , , ,		
during operation	°C	-25 +60				
during storage	°C	-40 +80				
erating temperature	°C	40				
rotection class IP on the front according to IEC 60529	9	IP00; IP20 with cover				
ouch protection on the front according to IEC 60529		finger-safe, for	r vertical contact from the	front with cover		
/CSA ratings		U				
ielded mechanical performance [hp] for 3-phase AC n	motor					
• at 220/230 V						
— at standard circuit at 50 °C rated value	hp	125				
• at 460/480 V						
— at standard circuit at 50 °C rated value	hp	250				
ontact rating of auxiliary contacts according to UL		B300 / R300				
provals Certificates						
General Product Approval			EMV			
	\sim		A	<u>KC</u>		
	(UL)	FHI	<i>ا</i> لایک			
CCC EG-Konf.	Ŷ	LIIL	<u> </u>			
	02		1.2.11			
or use in hazard- us locations Test Certificates Marine	e / Shipping		other	Environment		
Special Test Certific-	2 2		Confirmation			
	14) 14)	Lloyds		Siemens		
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ATEX	DNV	LRS				
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https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4075-6BB44

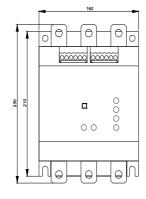
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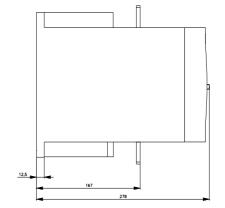
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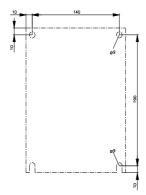
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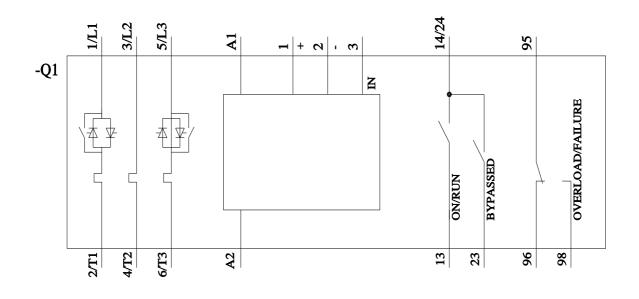
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4075-6BB44&lang=en









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