## **SIEMENS**

Data sheet 3RW4056-2BB44



SIRIUS soft starter S6 162 A, 90 kW/400 V, 40 °C 200-460 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5056-2AB14<<

General technical data				
product brand name		SIRIUS		
product feature				
<ul> <li>integrated bypass contact system</li> </ul>		Yes		
<ul><li>thyristors</li></ul>		Yes		
product function				
<ul> <li>intrinsic device protection</li> </ul>		Yes		
<ul> <li>motor overload protection</li> </ul>		Yes		
<ul> <li>evaluation of thermistor motor protection</li> </ul>		No		
<ul> <li>external reset</li> </ul>		Yes		
<ul> <li>adjustable current limitation</li> </ul>		Yes		
<ul> <li>inside-delta circuit</li> </ul>		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				
product designation		Soft starter		
operational current				
<ul> <li>at 40 °C rated value</li> </ul>	Α	162		
<ul> <li>at 50 °C rated value</li> </ul>	Α	145		
<ul> <li>at 60 °C rated value</li> </ul>	Α	125		
yielded mechanical performance for 3-phase motors ● at 230 V				
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	45		
• at 400 V				
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	90		
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	40		
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	Α	87		

protection minimum rated value

power lose [W] at operational current at 40 °C during operation typical control isupply voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value (and the control supply voltage frequency 2 rated value (b) (and the control supply voltage frequency 2 rated value (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			
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Control circuit/ Control  Type of voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value		W	75
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<ul> <li>stranded</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>stranded</li> <li>16 70 mm²</li> <li>16 70 mm²</li> <li>16 70 mm²</li> <li>16 70 mm²</li> </ul>	· · · · · · · · · · · · · · · · · · ·		
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point  • finely stranded with core end processing • finely stranded without core end processing • stranded  • stranded  16 70 mm²  16 70 mm²			
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• stranded 16 70 mm²	· · · · · · · · · · · · · · · · · · ·		
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points			
• finely stranded with core end processing max. 1x 50 mm², 1x 70 mm²	<ul> <li>finely stranded with core end processing</li> </ul>		max. 1x 50 mm², 1x 70 mm²
• finely stranded without core end processing  max. 1x 50 mm², 1x 70 mm²	· · · · · · · · · · · · · · · · · · ·		
• stranded  max. 2x 70 mm²			
type of connectable conductor cross-sections at AWG			THAN EATO HILL
cables for main contacts for box terminal			

	6 2/0
	6 2/0
	max. 2x 1/0
	2x (16 95 mm²)
	2x (25 120 mm²)
	2x (0.25 1.5 mm²)
	2x (0.25 1.5 mm²)
	4 250 kcmil
	2x (24 16)
m	5 000
	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
	3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
°C	-25 +60
°C °C	-25 +60 -40 +80
_	···
°C	-40 +80
	m



**General Product Approval** 

Confirmation









**EMC** 

Declaration of Conformity Test Certificates	Marine / Shipping	other
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Special Test Certificate





Confirmation

UL/CSA ratings				
yielded mechanical performance [hp] for 3-phase AC motor				
• at 220/230 V				
<ul> <li>at standard circuit at 50 °C rated value</li> </ul>	hp	50		
• at 460/480 V				
<ul> <li>at standard circuit at 50 °C rated value</li> </ul>	hp	100		
contact rating of auxiliary contacts according to UL		B300 / R300		
Further information				

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Download center (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

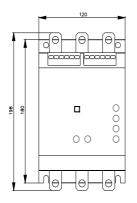
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4056-2BB44

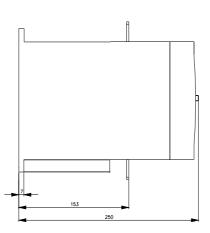
## Cax online generator

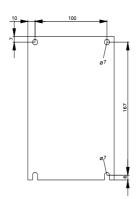
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4056-2BB44

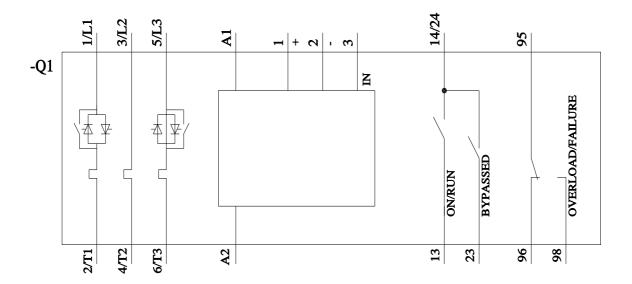
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4056-2BB44

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4056-2BB44&lang=en









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