SIEMENS

Data sheet 3RW4055-6BB44



SIRIUS soft starter S6 134 A, 75 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 >>3RW5055-6AB14<<

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 		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			
product designation		Soft starter	
operational current			
 at 40 °C rated value 	Α	134	
 at 50 °C rated value 	Α	117	
 at 60 °C rated value 	Α	100	
yielded mechanical performance for 3-phase motors			
• at 230 V			
 — at standard circuit at 40 °C rated value 	kW	37	
• at 400 V			
 — at standard circuit at 40 °C rated value 	kW	75	
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	30	
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	59	

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type of connectable conductor cross-sections at AWG	, ,		
	type of connectable conductor cross-sections at AWG		

 using the back clamping point 		6 2/0
 using the front clamping point 		6 2/0
 using both clamping points 		max. 2x 1/0
type of connectable conductor cross-sections for DIN cable lug for main contacts		
 finely stranded 		2x (16 95 mm²)
stranded		2x (25 120 mm²)
type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm²)
type of connectable conductor cross-sections at AWG cables		
 for main contacts 		4 250 kcmil
 for auxiliary contacts 		2x (20 14)
 for auxiliary contacts finely stranded with core end processing 		2x (20 16)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 during storage according to IEC 60721 		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during operation according to IEC 60721 		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
during operation	°C	-25 +60
during storage	°C	-40 +80
derating temperature	°C	40
protection class IP on the front according to IEC 60529		IP00; IP20 with cover
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front with cover
Certificates/ approvals		

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

Marine / Shipping

other



Special Test Certific-<u>ate</u>





Confirmation

UL/CSA ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 220/230 V		
 at standard circuit at 50 °C rated value 	hp	40
• at 460/480 V		
 at standard circuit at 50 °C rated value 	hp	75
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- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

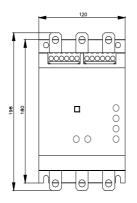
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4055-6BB44

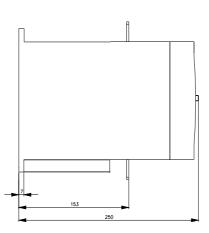
Cax online generator

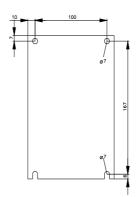
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4055-6BB44

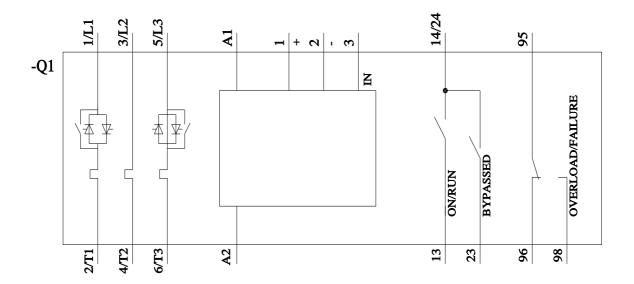
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4055-6BB44

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4055-6BB44&lang=en









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