SIEMENS

Data sheet 3RW4073-6BB44



SIRIUS soft starter S12 230 A, 132 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 >>3RW5073-6AB14<<

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	Α	230		
 at 50 °C rated value 	Α	205		
at 60 °C rated value	А	180		
yielded mechanical performance for 3-phase motors				
● at 230 V				
 at standard circuit at 40 °C rated value 	kW	75		
• at 400 V				
 — at standard circuit at 40 °C rated value 	kW	132		
yielded mechanical performance [hp] for 3-phase AC motor 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 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	80		

continuous operating current [% of le] at 40 °C	
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 relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC	
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mounting position With additional fan: With vertical mounting surface +/-9	
rotatable, with vertical mounting surface +/- 22.5° tiltab front and back Without additional fan: With vertical mousurface +/-10° rotatable, with vertical mounting surface	le to the unting
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 mm²	
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 mm²	
• stranded 120 240 mm²	
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 without core end processing min. 2x 50 mm², max. 2x 185 mm²	
• stranded max. 2x 70 mm², max. 2x 240 mm²	
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal	

using both clamping points		min. 2x 2/0, max. 2x 500 kcmil
type of connectable conductor cross-sections for DIN cable lug for main contacts		
 finely stranded 		50 240 mm²
• stranded		70 240 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 for AWG cables		
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)
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
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	75
• at 460/480 V		
— at standard circuit at 50 °C rated value	hp	150
contact rating of auxiliary contacts according to UL		B300 / R300
Approvals Certificates		
General Product Approval		EMV











<u>KC</u>

For use in hazardous locations

Test Certificates

Marine / Shipping

other

Environment



Special Test Certificate





Confirmation



Environment

Environmental Confirmations

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 Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

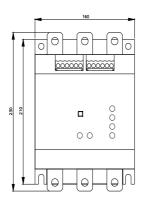
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW4073-6BB44

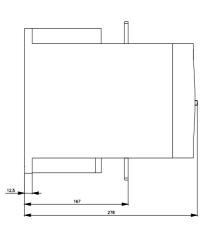
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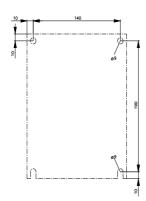
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4073-6BB44

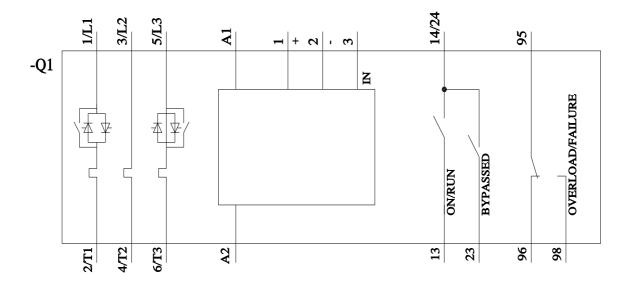
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4073-6BB44&lang=en









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