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 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	А	230
 at 50 °C rated value 	А	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 continuous operating current [% of leg at 40 °C w/s 115 control supply of appraisance and the control supply voltage operation typical current at 40 °C during operation typical voltage for current at 40 °C during operation typical voltage of the control supply voltage frequency 1 rated value by the control supply voltage frequency 1 rated value by the control supply voltage frequency 2 rated value by voltage frequency 3 for the control supply voltage frequency 4 for control supply voltage frequency 4 for control supply voltage frequency 4 for control supply voltage frequency 5 for the control supply voltage frequency 6 for control supply voltage frequency 6 for control supply voltage frequency 6 for control supply voltage at 26 for 26 for control supply 5 for control supply 5 for control supply 5 for control supply 6 for control supply 6 for control supply 7 for control sup			
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size of engine control device width	display version for fault signal		red
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width height	size of engine control device		S12
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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 type of connectable conductor cross-sections for	 finely stranded without core end processing 		70 240 mm²
main contacts for box terminal using the back clamping point • finely stranded with core end processing • finely stranded without core end processing • stranded • stranded type of connectable conductor cross-sections for	stranded		95 300 mm²
 finely stranded without core end processing stranded type of connectable conductor cross-sections for 	main contacts for box terminal using the back		
● stranded 120 240 mm² type of connectable conductor cross-sections for	 finely stranded with core end processing 		120 185 mm²
main contacts for box terminal using both clamping points	type of connectable conductor cross-sections for main contacts for box terminal using both clamping		

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 at AWG cables for main contacts for box terminal		
 using the back clamping point 		250 500 kcmil
 using the front clamping point 		3/0 600 kcmil
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 at 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
Certificates/ approvals		

General Product Approval

EMC



Confirmation









For use in hazardous locations 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		
 at standard circuit at 50 °C rated value 	hp	75
• at 460/480 V		
— at standard circuit at 50 °C rated value	hn	150

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=3RW4073-6BB44

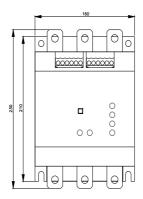
Cax online generator

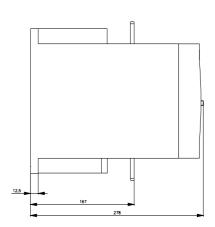
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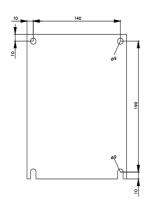
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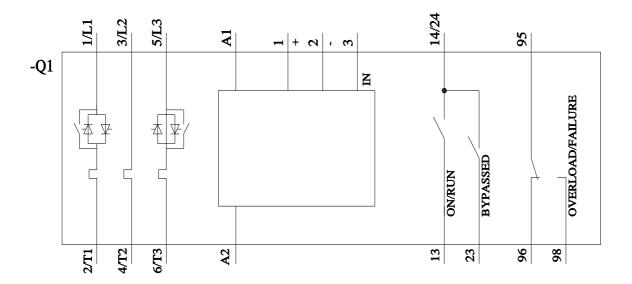
https://support.industry.siemens.com/cs/ww/en/ps/3RW4073-6BB44

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









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