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	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	А	80

continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during	W	90
operation typical	_	
Control circuit/ Control	_	
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 core end processing finely stranded without core end processing 		min. 2x 50 mm², max. 2x 185 mm²
• stranded type of connectable conductor cross-sections for AWG cables for main contacts for hox terminal		max. 2x 70 mm², max. 2x 240 mm²
cables for main contacts for box terminal		250 500 komil
using the back clamping point		250 500 kcmil
 using the front clamping point 		3/0 600 kcmil

 using both clamp 	ping points			min. 2x 2/0, ma	ax. 2x 500 kcmil		
type of connectable c lug for main contacts	onductor cross-sections	s for DIN cable					
 finely stranded 				50 240 mm²			
• stranded				70 240 mm²	70 240 mm²		
type of connectable c contacts	onductor cross-sections	s for auxiliary					
 solid 				2x (0.5 2.5 mm²)			
	vith core end processing			2x (0.5 1.5 mm ²)			
	onductor cross-sections	s for AWG		24 (0.5 1.5 mm)			
 for main contacts 	3			2/0 500 kcmil			
 for auxiliary cont 				2x (20 14)			
	acts finely stranded with c	ore end		2x (20 16)			
Ambient conditions							
	height above sea level		m	5 000			
environmental catego				0.000			
÷	according to IEC 60721			2K2 2C1 2S1	, 2M2 (max. fall height 0.	3 m)	
÷ .	ccording 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	-25 +60		
 during storage 			°C	-40 +80			
derating temperature			°C	40			
protection class IP on	the front according to I	EC 60529		IP00; IP20 with cover			
touch protection on the front according to IEC 60529				finger-safe, for vertical contact from the front with cover			
JL/CSA ratings				J J			
-	erformance [hp] for 3-ph	ase AC motor					
• at 220/230 V							
	circuit at 50 °C rated valu		hp	75			
• at 460/480 V			Πp	10			
	aircuit at 50 °C rated valu		hn	150			
	circuit at 50 °C rated valu		hp				
	liary contacts according			B300 / R300			
Approvals Certificates			_	_			
General Product App	roval				EMV		
		-			•	KC	
(m)	CE	س		CO L		<u>KC</u>	
				CUL	Ś		
ccc	EG-Konf.	UL			RCM		
For use in hazard-							
ous locations	Test Certificates	Marine / Shippin	g		other	Environment	
	Special Test Certific-	۴ Å		Houde	Confirmation		
(Ex)	ate	ΦΦ		Register		Siemens 💛	
ATEX		DNV		LRS		EcoTech	
Environment							
Environmental Con-							
firmations							

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

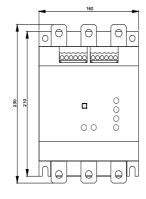
Cax online generator

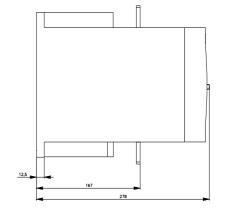
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4073-6BB44

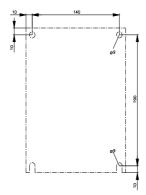
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

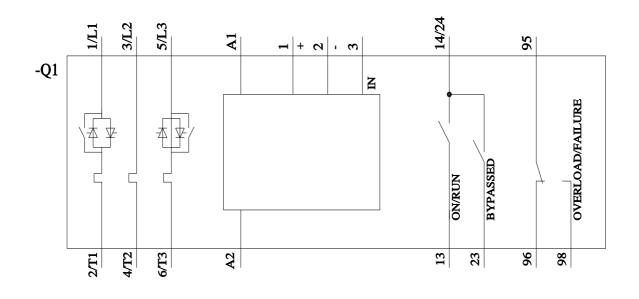
https://suppo rt.industry.siemens.com/cs/ww/en/ps/3RW4073-6BB4

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









last modified:

4/1/2025 🖸