## SIEMENS

## Data sheet

## 3RW4074-6BB44



SIRIUS soft starter S12 280 A, 160 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 >>3RW5074-6AB14<<

product brand name		SIRIUS
product feature		
integrated bypass contact system		Yes
thyristors		Yes
product function		165
intrinsic device protection		Yes
motor overload protection		Yes
		No
<ul> <li>evaluation of thermistor motor protection</li> <li>external reset</li> </ul>		
		Yes
adjustable current limitation		
inside-delta circuit		No
product component motor brake output	14	No
insulation voltage rated value	V	600
degree of pollution		3, acc. to IEC 60947-4-2
reference code acc. to DIN EN 61346-2		Q
reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		G
ower Electronics		
product designation		Soft starter
operational current		
<ul> <li>at 40 °C rated value</li> </ul>	А	280
• at 50 °C rated value	А	248
• at 60 °C rated value	А	215
yielded mechanical performance for 3-phase motors • at 230 V		
<ul> <li>— at standard circuit at 40 °C rated value</li> <li>at 400 V</li> </ul>	W	90 000
<ul> <li>at 400 v</li> <li>at standard circuit at 40 °C rated value</li> </ul>	W	160 000
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	75
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	%	10

: With vertical mounting surface +/-90° ical mounting surface +/- 22.5° tiltable ck Without additional fan: With vertical +/-10° rotatable, with vertical mounting
als

stranded	_	120 240 mm²		
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points				
<ul> <li>finely stranded with core end processing</li> </ul>		min. 2x 50 mm², m	nax. 2x 185 mm²	
<ul> <li>finely stranded without core end processing</li> </ul>		min. 2x 50 mm², m		
• stranded		max. 2x 70 mm², r		
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal	_			
<ul> <li>using the back clamping point</li> </ul>		250 500 kcmil		
<ul> <li>using the front clamping point</li> </ul>		3/0 600 kcmil		
<ul> <li>using both clamping points</li> </ul>		min. 2x 2/0, max. 2	2x 500 kcmil	
type of connectable conductor cross-sections for DIN cable lug for main contacts				
<ul> <li>finely stranded</li> </ul>		50 240 mm²		
<ul> <li>stranded</li> </ul>		70 240 mm²		
type of connectable conductor cross-sections for auxiliary contacts				
• solid		2x (0.5 2.5 mm <sup>2</sup>		
finely stranded with core end processing	_	2x (0.5 1.5 mm <sup>2</sup>	?)	
type of connectable conductor cross-sections at AWG cables				
<ul> <li>for main contacts</li> </ul>		2/0 500 kcmil		
<ul> <li>for auxiliary contacts</li> </ul>		2x (20 14)		
<ul> <li>for auxiliary contacts finely stranded with core end processing</li> </ul>		2x (20 16)		
Ambient conditions	-			
installation altitude at height above sea level	m	5 000		
environmental category				
<ul> <li>during transport acc. to IEC 60721</li> </ul>		2K2, 2C1, 2S1, 2N		,
<ul> <li>during storage acc. to IEC 60721</li> </ul>				1C2 (no salt mist),
• during operation acc. to IEC 60721		3K6 (no formation	ot get inside the de of ice, no condens nust not get into the	ation), 3C3 (no salt
ambient temperature	_			,,
during operation	°C	-25 +60		
• during storage	°C	-40 +80		
derating temperature	°C	40		
protection class IP on the front acc. to IEC 60529		IP00; IP20 with cover		
touch protection on the front acc. to IEC 60529	_	finger-safe, for vertical contact from the front with cover		he front with cover
Certificates/ approvals		<b>U</b>		
				E an an a la harmand
General Product Approval		E	мс	For use in hazard- ous locations
(H) (M)	)	FAL	$\bigotimes$	(Ex)
CSA CCC UL			RCM	ATEX
Declaration of Conformity Test Certific	ates Mar	ine / Shipping		other
CC <u>Miscellaneous</u> <u>Special Test C</u> ate	<u>Certific-</u>	Llovd's	And and a second second	<b>Confirmation</b>
		Kegister	DNV-GL	
EG-Konf.		LRS	Devol CORNE	
UL/CSA ratings				
UL/CSA ratings yielded mechanical performance [hp] for 3-phase AC				

• at 220/230 V					
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	100			
• at 460/480 V					
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	200			
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=3RW4074-6BB44

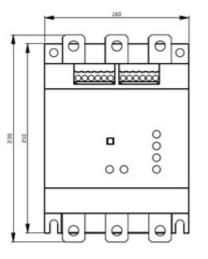
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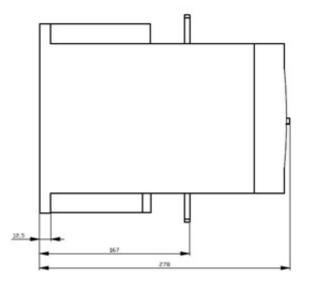
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4074-6BB44

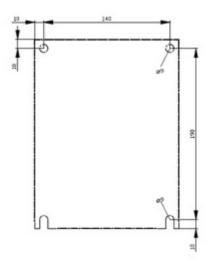
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

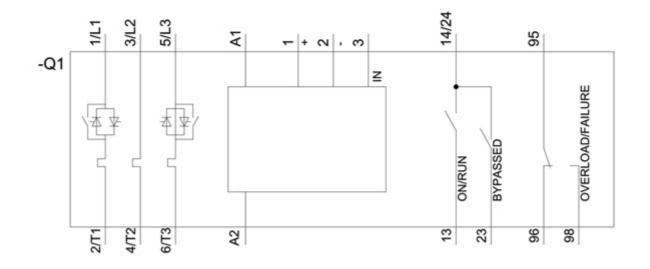
https://support.industry.siemens.com/cs/ww/en/ps/3RW4074-6BB44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4074-6BB44&lang=en









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