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
 evaluation of thermistor motor protection external reset 		
		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		
 at 40 °C rated value 	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		
 — at standard circuit at 40 °C rated value at 400 V 	W	90 000
 at 400 v at standard circuit at 40 °C rated value 	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				
 finely stranded with core end processing 		min. 2x 50 mm², m	nax. 2x 185 mm²	
 finely stranded without core end processing 		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	_			
 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. 2	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 mm ²		
finely stranded with core end processing	_	2x (0.5 1.5 mm ²	?)	
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 acc. to IEC 60721 		2K2, 2C1, 2S1, 2N		,
 during storage acc. to IEC 60721 				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		U		
				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	Confirmation
		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					
 — at standard circuit at 50 °C rated value 	hp	100			
• at 460/480 V					
 — at standard circuit at 50 °C rated value 	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

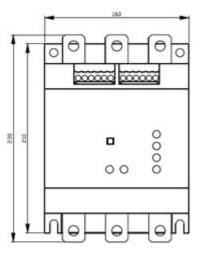
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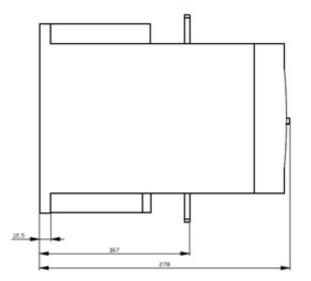
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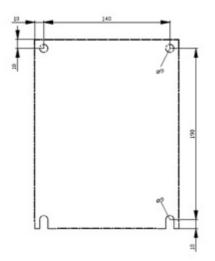
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

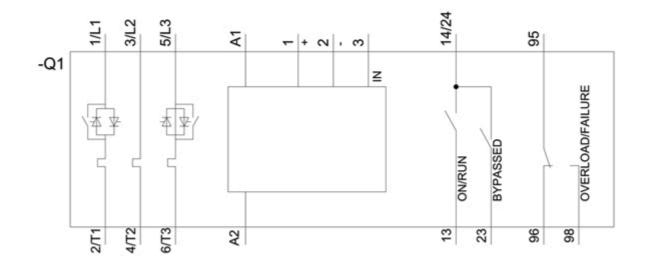
https://support.industry.siemens.com/cs/ww/en/ps/3RW4074-6BB44

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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