## SIEMENS

## Data sheet

## 3RW4055-2BB44



SIRIUS soft starter S6 134 A, 75 kW/400 V, 40 °C 200-460 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5055-2AB14<<

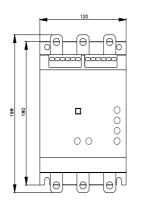
General technical data		
product brand name		SIRIUS
product feature		
<ul> <li>integrated bypass contact system</li> </ul>		Yes
thyristors		Yes
product function		
<ul> <li>intrinsic device protection</li> </ul>		Yes
<ul> <li>motor overload protection</li> </ul>		Yes
<ul> <li>evaluation of thermistor motor protection</li> </ul>		No
<ul> <li>external reset</li> </ul>		Yes
<ul> <li>adjustable current limitation</li> </ul>		Yes
<ul> <li>inside-delta circuit</li> </ul>		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		
<ul> <li>at 40 °C rated value</li> </ul>	А	134
<ul> <li>at 50 °C rated value</li> </ul>	A	117
<ul> <li>at 60 °C rated value</li> </ul>	А	100
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>	kW	37
- at standard circuit at 40 °C rated value	kW	75
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	30
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	A	59

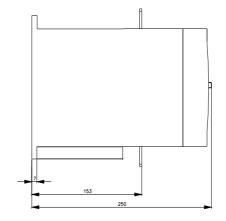
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during	W	60
operation typical		
Control circuit/ Control		
type of voltage of the control supply voltage		AC
control supply voltage frequency 1 rated value	Hz	50
control supply voltage frequency 2 rated value	Hz	60
relative negative tolerance of the control supply	%	-10
voltage frequency		
relative positive tolerance of the control supply voltage frequency	%	10
control supply voltage 1 at AC		
• at 50 Hz rated value	V	230
at 50 Hz rated value	V	230
relative negative tolerance of the control supply	%	-15
voltage at AC at 50 Hz	70	-13
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		S6
width	mm	120
height	mm	198
depth	mm	250
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
<ul> <li>downwards</li> </ul>	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
<ul> <li>for auxiliary and control circuit</li> </ul>		spring-loaded 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		10 70 1
<ul> <li>finely stranded with core end processing</li> </ul>		16 70 mm <sup>2</sup>
<ul> <li>finely stranded without core end processing</li> </ul>		16 70 mm <sup>2</sup>
• stranded		16 70 mm²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		
<ul> <li>finely stranded with core end processing</li> </ul>		16 70 mm²
<ul> <li>finely stranded without core end processing</li> </ul>		16 70 mm²
• stranded		16 70 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping		
points		
finely stranded with core end processing		max. 1x 50 mm <sup>2</sup> , 1x 70 mm <sup>2</sup>
<ul> <li>finely stranded without core end processing</li> </ul>		max. 1x 50 mm <sup>2</sup> , 1x 70 mm <sup>2</sup>
• stranded		max. 2x 70 mm <sup>2</sup>
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		

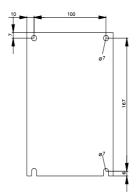
<ul> <li>using the back clamping point</li> </ul>					
			6 2/0		
<ul> <li>using the front clamping point</li> </ul>			6 2/0		
<ul> <li>using both clamping points</li> </ul>			max. 2x 1/0		
type of connectable conductor cross-sec	tions for DIN				
cable lug for main contacts					
<ul> <li>finely stranded</li> </ul>			2x (16 95 r	nm²)	
<ul> <li>stranded</li> </ul>			2x (25 120	mm²)	
type of connectable conductor cross-sec	tions for				
auxiliary contacts					
• solid			2x (0.25 1.	5 mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>			2x (0.25 1.5 mm²)		
type of connectable conductor cross-sec	tions at AWG				
cables					
<ul> <li>for main contacts</li> </ul>			4 250 kcmi	1	
<ul> <li>for auxiliary contacts</li> </ul>			2x (24 16)		
Ambient conditions			, ,		
	vol	m	5 000		
installation altitude at height above sea le	vei	m	5 000		
environmental category				4 0140 / 1 1 1 1	
<ul> <li>during transport according to IEC 6072</li> </ul>				1, 2M2 (max. fall height	,
<ul> <li>during storage according to IEC 60721</li> </ul>				asional condensation),	
				ust not get inside the de	
<ul> <li>during operation according to IEC 607.</li> </ul>	21			ation of ice, no condens	
			mist), 3S2 (sa	and must not get into the	e devices), 3106
ambient temperature					
<ul> <li>during operation</li> </ul>		°C	-25 +60		
<ul> <li>during storage</li> </ul>		°C	-40 +80		
derating temperature		°C	40		
protection class IP on the front according	to IEC		IP00; IP20 wi	th cover	
60529					
touch protection on the front according to	DIEC 60529		finger-safe, fo	or vertical contact from t	he front with cover
Certificates/ approvals					
General Product Approval					EMC
Confirmation					~
			Ű	EHC	RCM
Declaration of Conformity Test Certificates	Ccc	ping	(Ψ) u	Conter	RCM
Declaration of Test Certificates	Marine / Ship	ping		Confirmation	RCM
Declaration of Conformity       Test Certificates         EG-Konf.       Special Test Certific- ate         UL/CSA ratings	Hoyds Kegister us	ping			RCM
Declaration of Conformity       Test Certificates         EG-Konf.       Special Test Certificates ate         UL/CSA ratings       Vielded mechanical performance [hp] for motor	Hoyds Kegister us	ping			RCM
Declaration of Conformity       Test Certificates         EG-Konf.       Special Test Certificates         UL/CSA ratings       Subscription         yielded mechanical performance [hp] for motor       • at 220/230 V	Llovds Register LRS		SWELCOM		RCM
Declaration of Conformity       Test Certificates         CEGE       Special Test Certific- ate         UL/CSA ratings       Subscription         Vielded mechanical performance [hp] for motor       of at 220/230 V         — at standard circuit at 50 °C rated	Llovds Register LRS	ping 			RCM
Declaration of Conformity       Test Certificates         EGE       Special Test Certific- ate         EGE       Special Test Certific- ate         UL/CSA ratings       Subscript of the second	Lloyds Register IRS	hp	40		RCM
Declaration of Conformity       Test Certificates         EGE       Special Test Certific- ate         EG-Konf.       Special Test Certific- ate         UL/CSA ratings       Subscript of the second se	Joyds Register urs 3-phase AC value value		40 75		RCM
Declaration of Conformity       Test Certificates         EGE       Special Test Certific- ate         EG-Konf.       Special Test Certific- ate         UL/CSA ratings       Special Test Certific- ate         UL/CSA ratings <t< td=""><td>Joyds Register urs 3-phase AC value value</td><td>hp</td><td>40</td><td></td><td>RCM</td></t<>	Joyds Register urs 3-phase AC value value	hp	40		RCM
Declaration of Conformity       Test Certificates         EGE       Special Test Certific- ate         EG-Konf.       Special Test Certific- ate         UL/CSA ratings       Subscript of the second se	Joyds Register urs 3-phase AC value value	hp	40 75		
Declaration of Conformity       Test Certificates         EGE       Special Test Certific- ate         EG-Konf.       Special Test Certific- ate         UL/CSA ratings       Special Test Certific- ate         UL/CSA ratings <t< td=""><td>Joyds Register us 3-phase AC value value ding to UL en/view/1014949 en/view/1098138</td><td>hp hp h17 375</td><td>40 75</td><td></td><td></td></t<>	Joyds Register us 3-phase AC value value ding to UL en/view/1014949 en/view/1098138	hp hp h17 375	40 75		
Declaration of Conformity       Test Certificates         Image: Conformity       Special Test Certificates         Image: Conformation       Special Test Certificates </td <td>Joyds Register Uts 3-phase AC value ding to UL en/view/1014949 en/view/1098138 gs, Brochures,.</td> <td>hp hp <u>117</u> <u>375</u> )</td> <td>40 75 B300 / R300</td> <td></td> <td></td>	Joyds Register Uts 3-phase AC value ding to UL en/view/1014949 en/view/1098138 gs, Brochures,.	hp hp <u>117</u> <u>375</u> )	40 75 B300 / R300		
Declaration of Conformity       Test Certificates         Image: Conformity       Special Test Certificates         Image: Conformity       Image: Conformity         Image: Conformity       Simulation Tool for Soft Starters (STS)         https://support.industry.siemens.com/cs/uw/       Information - and Downloadcenter (Catalon https://www.siemens.com/ic10         Industry Mall (On	Joyds Register Uts 3-phase AC value ding to UL en/view/1014949 en/view/1098138 gs, Brochures,.	hp hp <u>117</u> <u>375</u> )	40 75 B300 / R300		

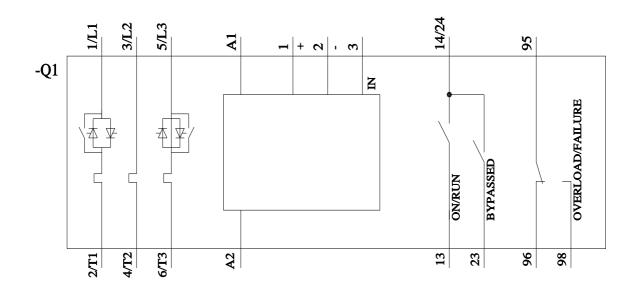
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