## SIEMENS

## Data sheet

## 3RW4075-6BB44



SIRIUS soft starter S12 356 A, 200 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 >>3RW5075-6AB14<<

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	356
• at 50 °C rated value	А	315
• at 60 °C rated value	А	280
yielded mechanical performance for 3-phase motors		
• at 230 V		
<ul> <li>— at standard circuit at 40 °C rated value</li> </ul>	kW	110
• at 400 V		
— at standard circuit at 40 °C rated value	kW	200
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	100
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	131

continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during	W	125
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		
<ul> <li>for main current circuit</li> </ul>		busbar connection
<ul> <li>for auxiliary and control circuit</li> </ul>		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		
<ul> <li>finely stranded with core end processing</li> </ul>		70 240 mm²
<ul> <li>finely stranded without core end processing</li> </ul>		70 240 mm²
stranded		95 300 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>		120 185 mm²
<ul> <li>finely stranded without core end processing</li> </ul>		120 185 mm²
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, max. 2x 185 mm²
<ul> <li>finely stranded without core end processing</li> </ul>		min. 2x 50 mm², max. 2x 185 mm²
• stranded		max. 2x 70 mm², max. 2x 240 mm²
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal		
<ul> <li>using the back clamping point</li> </ul>		250 500 kcmil
using the front clamping point		3/0 600 kcmil
- doing the nent oldinping point		

using both clamping points						
	( DNI 11		min. 2x 2/0, ma	ax. 2x 500 kcmil		
type of connectable conductor cross-section lug for main contacts	ns for DIN cable					
<ul> <li>finely stranded</li> </ul>			50 240 mm <sup>2</sup>			
stranded			70 240 mm²	70 240 mm²		
type of connectable conductor cross-section contacts	ns for auxiliary					
• solid			2x (0.5 2.5 n	nm²)		
<ul> <li>finely stranded with core end processing</li> </ul>			2x (0.5 1.5 n	nm²)		
type of connectable conductor cross-section cables	ns for AWG					
<ul> <li>for main contacts</li> </ul>			2/0 500 kcm	il		
<ul> <li>for auxiliary contacts</li> </ul>			2x (20 14)			
<ul> <li>for auxiliary contacts finely stranded with processing</li> </ul>	core end		2x (20 16)			
Ambient conditions						
installation altitude at height above sea leve	el .	m	5 000			
environmental category						
<ul> <li>during transport according to IEC 60721</li> </ul>			2K2, 2C1, 2S1	C1, 2S1, 2M2 (max. fall height 0.3 m)		
<ul> <li>during storage according to IEC 60721</li> </ul>			1K6 (only occa (sand must not	asional condensation), t get inside the devices	1C2 (no salt mist), 1S2 s), 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						
<ul> <li>during operation</li> </ul>		°C	-25 +60	-25 +60		
<ul> <li>during storage</li> </ul>		°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 I	EC 60529		finger-safe, for	vertical contact from t	he front with cover	
Certificates/ approvals						
					FNO	
General Product Approval					EMC	
General Product Approval			(ال س	EAC		
General Product Approval	CCC	ığ	(U) u	Other	EMC	
Declaration of Con-	CCC Marine / Shippin	ığ	(ب ب	Conter	EMC	
Declaration of Con- formity Test Certificates	Aarine / Shippin	ığ		Conter	EMC	
Declaration of Con-	Marine / Shippin	ıg		Conter	EMC	
Declaration of Con- formity Test Certificates CEG-Konf.	Lloyd's Register	ıg		other	EMC	
Declaration of Con- formity Test Certificates	Llovds Register uis	ıg		Conter	EMC	
Declaration of Con- formity Test Certificates EG-Konf.	Lins			Conter	EMC	
Declaration of Con- formity Test Certificates CEG-Konf.	Lins	ng hp		Conter	EMC	
Declaration of Con- formity Test Certificates CEG-Konf.	Lis Dhase AC motor	hp		Conter	EMC	
Declaration of Con- formity Test Certificates CEG-Konf. L/CSA ratings yielded mechanical performance [hp] for 3-p • at 220/230 V — at standard circuit at 50 °C rated va	URS Dhase AC motor alue			Conter	EMC	







