## SIEMENS

## Data sheet

## 3RW4076-6BB45



SIRIUS soft starter S12 432 A, 315 kW/500 V, 40 °C 400-600 V AC, 230 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5076-6AB15<<

Figure similar

General technical data		
product brand name		SIRIUS
product feature		
<ul> <li>integrated bypass contact system</li> </ul>		Yes
• thyristors		Yes
product function		
intrinsic device protection		Yes
<ul> <li>motor overload protection</li> </ul>		Yes
<ul> <li>evaluation of thermistor motor protection</li> </ul>		No
external reset		Yes
<ul> <li>adjustable current limitation</li> </ul>		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		G
according to IEC 204-2 according to IEC 750		
Power Electronics		
product designation		Soft starter
operational current		
<ul> <li>at 40 °C rated value</li> </ul>	A	432
<ul> <li>at 50 °C rated value</li> </ul>	А	385
<ul> <li>at 60 °C rated value</li> </ul>	A	335
yielded mechanical performance for 3-phase motors		
• at 400 V		
<ul> <li>— at standard circuit at 40 °C rated value</li> </ul>	kW	250
● at 500 V		
<ul> <li>— at standard circuit at 40 °C rated value</li> </ul>	kW	315
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	400 600
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	А	207
protection minimum rated value		
continuous operating current [% of le] at 40 °C	%	115

newer less IMI at an article at any such at 40.00 days	14/	165
power loss [W] at operational current at 40 °C during operation typical	W	165
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	∺Z %	-10
voltage frequency	70	
relative positive tolerance of the control supply	%	10
voltage frequency		
control supply voltage 1 at AC		
<ul> <li>at 50 Hz rated value</li> </ul>	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		\$12
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
<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		
<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> <li>stranded</li> </ul>		70 240 mm² 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> <li>stranded</li> </ul>		120 185 mm² 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, 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 mm <sup>2</sup> , max. 2x 240 mm <sup>2</sup>
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		250 500 kersil
<ul> <li>using the back clamping point</li> </ul>		250 500 kcmil

<ul><li>using the front</li><li>using both clar</li></ul>				3/0 600 k min. 2x 2/0,	cmil max. 2x 500 kcmil		
	e conductor cross-secti	ions for DIN					
<ul> <li>cable lug for main of</li> <li>finely stranded</li> </ul>				50 240 mm²			
stranded type of connectable conductor cross-sections for				70 240 m	70 240 mm <sup>2</sup>		
auxiliary contacts	e conductor cross-secti	ions for					
<ul> <li>solid</li> <li>finely stranded with core end processing</li> </ul>				2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²)			
type of connectable conductor cross-sections at AWG			2. (0.0 1.	2x (0.5 1.5 mm)			
cables							
<ul> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul>				2/0 500 kcmil			
<ul> <li>for auxiliary contacts</li> <li>for auxiliary contacts finally stranded with core and</li> </ul>				2x (20 14)			
<ul> <li>for auxiliary contacts finely stranded with core end processing</li> </ul>				2x (20 16	)		
Ambient conditions		. al		5.000			
environmental cate	e at height above sea lev	vei	m	5 000			
	prt according to IEC 6072	1		2K2, 2C1, 2	S1, 2M2 (max. fall height	t 0.3 m)	
0 1	according to IEC 60721	-			casional condensation),	,	
	-				nust not get inside the de		
<ul> <li>during operation</li> </ul>	on according to IEC 6072	21			nation of ice, no condens and must not get into the		
ambient temperatu	re			11131), 562 (	sand must not get into the		
<ul> <li>during operation</li> </ul>			°C	-25 +60			
<ul> <li>during storage</li> </ul>			°C	-40 +80			
derating temperatu			°C	40			
protection class IP 60529	on the front according	to IEC		IP00; IP20 v	vith cover		
	n the front according to	IEC 60529		finger-safe,	for vertical contact from t	he front with cover	
Certificates/ approva	ls			-			
General Product A	pproval					EMC	
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	Test Certificates	Marine / Ship	ping			RCM	
	Test Certificates	Marine / Ship	ping			RCM	
Conformity CE EG-Konf.	Test Certificates	Marine / Ship	ping			RCM	
Conformity CEG-Konf, UL/CSA ratings	Test Certificates	Lloyds Register urs	ping			RCM	
Conformity Cefe EG-Konf.	Test Certificates Special Test Certific- ate	Lloyds Register urs	ping			RCM	
Conformity Conformity UL/CSA ratings Vielded mechanical motor • at 460/480 V	Test Certificates Special Test Certific- ate	Llovds Register Lits				RCM	
Conformity Conformity UL/CSA ratings Vielded mechanical motor • at 460/480 V	Test Certificates Special Test Certific- ate	Llovds Register Lits	ping			RCM	
Conformity Conformity Conformity UL/CSA ratings yielded mechanical motor • at 460/480 V — at standa • at 575/600 V	Test Certificates Special Test Certific- ate	B-phase AC				RCM	
Conformity Conformity Conformity Conformity UL/CSA ratings yielded mechanical motor • at 460/480 V — at standa • at 575/600 V — at standa	Test Certificates Special Test Certificates ate I performance [hp] for 3 rd circuit at 50 °C rated v	Lloyds Legister urs	hp		Confirmation	RCM	
Conformity Conformity Conformity Conformity UL/CSA ratings yielded mechanical motor • at 460/480 V — at standa • at 575/600 V — at standa	Test Certificates Special Test Certificates Special Test Certificates I performance [hp] for 3 rd circuit at 50 °C rated v rd circuit at 50 °C rated v	Lloyds Legister urs	hp	400	Confirmation		
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Conformity Conformity Conformity Conformity Conformity UL/CSA ratings yielded mechanical motor • at 460/480 V — at standa • at 575/600 V — at standa contact rating of au Further information Simulation Tool for https://support.indus	Test Certificates Special Test Certific- ate I performance [hp] for 3 rd circuit at 50 °C rated v uxiliary contacts accord	B-phase AC ralue ling to UL	hp hp	400	Confirmation		
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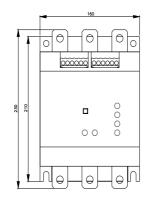
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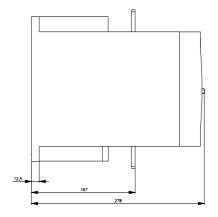
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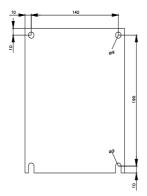
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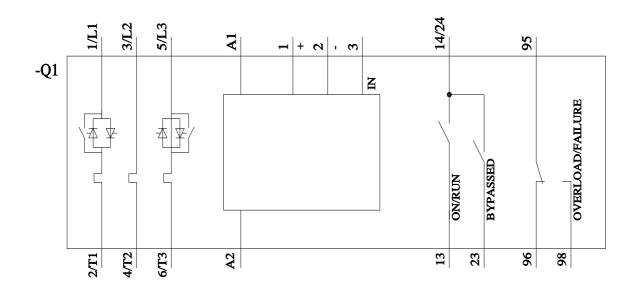
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