SIEMENS

Data sheet

3RW4076-2BB34



SIRIUS soft starter S12 385 A, 300 hp/460 V, 50 °C 200-460 V AC, 115 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5076-2AB14<<

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 acc. to DIN EN 61346-2		Q
reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
 at 40 °C rated value 	А	432
• at 50 °C rated value	А	385
 at 60 °C rated value 	А	335
yielded mechanical performance for 3-phase motors • at 230 V		
 — at standard circuit at 40 °C rated value at 400 V 	W	132 000
— at standard circuit at 40 °C rated value	W	250 000
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	125
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

	_	
standard circuit		
minimum load [%]	%	20
adjustable motor current for motor overload protection minimum rated value	A	207
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during		165
operation typical	٧V	105
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	115
at 60 Hz rated value	V	115
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		
 for main current circuit 		busbar connection
 for auxiliary and control circuit 		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		
 finely stranded with core end processing 		70 240 mm²
 finely stranded without core end processing 		70 240 mm²
stranded		95 300 mm²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		
 finely stranded with core end processing 		120 185 mm²
 finely stranded without core end processing 		120 185 mm²

stranded				120 240 m	1m²	
	e conductor cross-sect box terminal using both					
 finely stranded 	d with core end processir	ng		min. 2x 50 m	m², max. 2x 185 mm²	
•	d without core end proces	•			m², max. 2x 185 mm²	
 stranded 		5			nm², max. 2x 240 mm²	
	e conductor cross-sect ntacts for box terminal	tions at AWG				
 using the back 	< clamping point			250 500 k	cmil	
 using the front 	t clamping point			3/0 600 kcmil		
 using both cla 	mping points			min. 2x 2/0, r	max. 2x 500 kcmil	
type of connectabl cable lug for main	e conductor cross-sect contacts	tions for DIN				
 finely stranded 	b			50 240 mm²		
 stranded 				70 240 mm²		
type of connectable auxiliary contacts	e conductor cross-sect	tions for				
• solid				2x (0.25 1		
	d with core end processir	-		2x (0.25 1	.5 mm²)	
cables	e conductor cross-sect	tions at AWG				
• for main conta				2/0 500 kc	mil	
 for auxiliary co 	ontacts			2x (24 16)		
Ambient conditions						
installation altitude	e at height above sea le	vel	m	5 000		
environmental cate	egory					
 during transport 	ort acc. to IEC 60721			2K2, 2C1, 2S	S1, 2M2 (max. fall heig	ht 0.3 m)
 during storage 	e acc. to IEC 60721				casional condensation	
• during operation	on acc. to IEC 60721			3K6 (no form	ust not get inside the o ation of ice, no conde and must not get into t	nsation), 3C3 (no salt
ambient temperatu	1 0			111151), 332 (5	and must not get into i	ile devices), sivio
 during operation 			°C	-25 +60		
•			°C	-40 +80		
during storage		°C				
derating temperatu	on the front acc. to IEC	2 60520	C	40 IP00: IP20 with covor		
_	n the front acc. to IEC 6			IP00; IP20 with cover finger-safe, for vertical contact from the front with cover		
· ·		00529		illiger-sale, i		
Certificates/ approva	ais		_			
General Product A	pproval				EMC	For use in hazard- ous locations
SP.		(U) u		EHC		K ATEX
Declaration of Conformity	Test Certificates	Marine / Ship	oping		other	
CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	Llovds Register us		DIVILIZIONE	<u>Confirmation</u>	
UL/CSA ratings yielded mechanica motor • at 220/230 V	I performance [hp] for 3	3-phase AC				
• at 220/230 V						

— at standard circuit at 50 °C rated value	hp	150
• at 460/480 V	·	
 — at standard circuit at 50 °C rated value 	hp	300
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=3RW4076-2BB34

Cax online generator

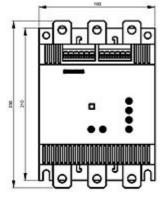
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4076-2BB34

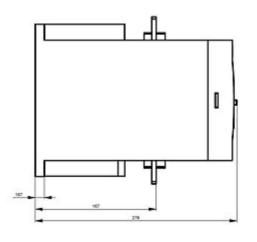
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

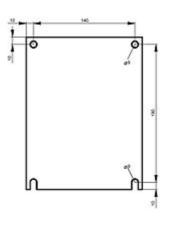
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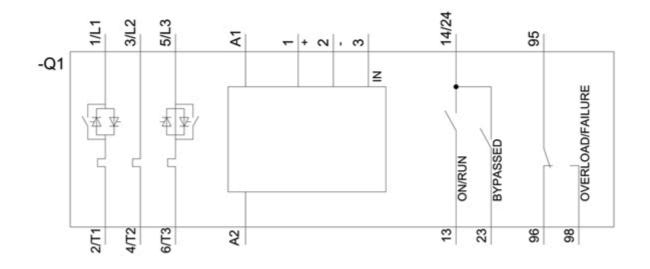
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4076-2BB34&lang=en









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