SIEMENS

Data sheet

3RW4046-1BB04



SIRIUS soft starter S3 80 A, 45 kW/400 V, 40 $^\circ\text{C}$ 200-480 V AC, 24 V AC/DC Screw terminals

General technical data		
product brand name		SIRIUS
product feature		Ver
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	80
• at 50 °C rated value	А	73
• at 60 °C rated value	А	66
yielded mechanical performance for 3-phase motors		
• at 230 V		
- at standard circuit at 40 °C rated value	kW	22
• at 400 V		
- at standard circuit at 40 °C rated value	kW	45
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	20
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	200 480
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	43

%	115
	12
	AC/DC
Hz	50
Hz	60
%	-10
%	10
V	24
V	24
%	-15
%	10
%	-15
%	10
V	24
%	-20
%	20
	red
	S3
mm	70
mm	170
mm	190
	screw and snap-on mounting
	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
mm	60
	30
	40
	300
	3
	·
	screw-type terminals
	screw-type terminals
	0
	2
	1
	2x (2.5 16 mm²)
	2.5 35 mm ²
	4 70 mm ²
	2x (2.5 16 mm²)
	2x (2.5 16 mm²) 2.5 50 mm²
	2.5 50 mm ²
	2.5 50 mm ²
	Hz % % V V % % % V %

stranded						
Acres 48 1.1.1				2x (10 50 mi	m²)	
type of connectable con cables for main contact	nductor cross-sections s for box terminal	for AWG				
 using the back clar 	nping point			2x (10 1/0)		
 using the front clan 	nping point			2x (10 1/0)		
 using both clampin 				10 2/0		
type of connectable con lug for main contacts	0.	for DIN cable				
 finely stranded 				2 x (10 50 m	ım²)	
 stranded 				2x (10 70 m	m²)	
type of connectable con contacts	nductor cross-sections	for auxiliary				
 solid 				2x (0.5 2.5 n	nm²)	
 finely stranded with 	n core end processing			2x (0.5 1.5 n	nm²)	
type of connectable con cables	nductor cross-sections	for AWG				
 for main contacts 				2x (7 1/0)		
 for auxiliary contact 	ts			2x (20 14)		
 for auxiliary contac processing 	ts finely stranded with co	ore end		2x (20 16)		
Ambient conditions						
installation altitude at h	eight above sea level		m	5 000		
environmental category	•					
	cording to IEC 60721			2K2, 2C1, 2S1	, 2M2 (max. fall height 0.3	m)
during storage according to the storage a	-				isional condensation), 1C2	
	ordinig to 120 00121				t get inside the devices), 1	
 during operation ac 	ccording to IEC 60721				tion of ice, no condensations the devices)	
ambient temperature						
 during operation 			°C	-25 +60		
 during storage 			°C	-40 +80		
derating temperature			°C	40		
protection class IP on the	he front according to I	EC 60529		IP20		
touch protection on the	front according to IEC	60529		finger-safe, for	vertical contact from the fi	ront
Certificates/ approvals						
General Product Appro	val					EMC
						-
		<u>Confirmation</u>	1	(ال س	EHC	RCM
For use in hazard- ous locations	CCC			UL UL	EAC	RCM
	CCC Declaration of Conform		Tes	t Certificates	Effective Special Test Certificate	Marine / Shipping
	C€	mity	Te: L	<u>pe Test Certific-</u>		Lloyd's Register
ous locations	C€	UK CA	Te: In a Ra	r <u>pe Test Certific-</u> tes/Test Report		Lloyd's Register
ous locations	C E EG-Konf.	mity UK CA other	Te: In a Ra	rpe Test Certific- tes/Test Report	ate	Lloyd's Register
ous locations	C C C Forf.	mity UK CA other Confirmation	Te: In a Ra	rpe Test Certific- tes/Test Report	ate	Lloyd's Register
ous locations	C C C Forf.	mity UK CA other Confirmation	Te: In a Ra	rpe Test Certific- tes/Test Report	ate	Lloyd's Register
ous locations	C C C Forf.	mity UK CA other Confirmation	Te: In a Ra	rpe Test Certific- tes/Test Report	ate	Lloyd's Register

— at standard circuit at 50 °C rated value	hp	50		
contact rating of auxiliary contacts according to UL		B300 / R300		
Further information				

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW4046-1BB04

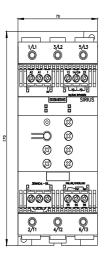
Cax online generator

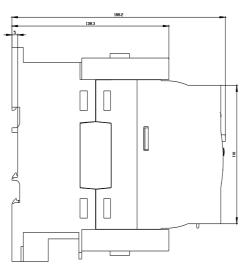
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4046-1BB04

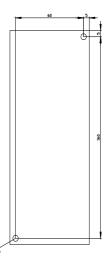
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

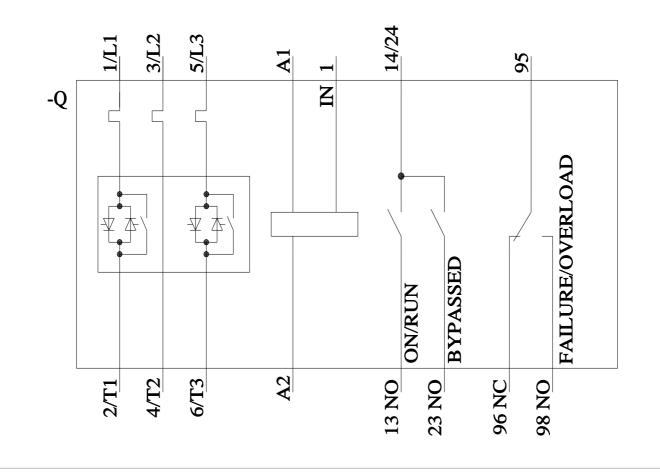
https://supp industry.siemens.com/cs/ww/en/ps/3RW4046-1BB0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4046-1BB04&lang=en









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