SIEMENS

Data sheet

3RW3027-2BB04



SIRIUS soft starter S0 32 A, 15 kW/400 V, 40 $^\circ\text{C}$ 200-480 V AC, 24 V AC/DC spring-type terminals

General technical data		
product brand name		SIRIUS
product feature		
 integrated bypass contact system 		Yes
thyristors		Yes
product function		
 intrinsic device protection 		No
 motor overload protection 		No
 evaluation of thermistor motor protection 		No
external reset		No
 adjustable current limitation 		No
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	32
• at 50 °C rated value	А	29
• at 60 °C rated value	А	26
yielded mechanical performance for 3-phase motors		
• at 230 V		
- at standard circuit at 40 °C rated value	kW	7.5
• at 400 V		
- at standard circuit at 40 °C rated value	kW	15
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	7.5
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 [%]	%	10
continuous operating current [% of le] at 40 °C	%	115

power loss [W] at operation pictureW13Control supply voltage the control supply voltageACDGCcontrol supply voltage frequency 1 rated valueis250control supply voltage frequency 1 rated valueis260restative negative tolerance of the control supply voltage%10restative negative tolerance of the control supply voltage%10restative negative tolerance of the control supply voltage temperative tolerance of the control supply voltage temperative negative tolerance of the control supply v		-	
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number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point0• solid2x (1 2.5 mm²), 2x (2.5 6 mm²)• finely stranded with core end processing2x (1 2.5 mm²), 2x (2.5 6 mm²)type of connectable conductor cross-sections for AWG cables for main contacts for box terminal1• using the front clamping point1 x 8, 2x (16 10)type of connectable conductor cross-sections for main contacts1 10 mm²• solid1 10 mm²• solid1 6 mm²• solid2x (0.25 2.5 mm²)• solid2x (0.25 1.5 mm²)	 for auxiliary and control circuit 		spring-loaded terminals
number of NO contacts for auxiliary contacts1number of CO contacts for auxiliary contacts0type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point2x (1 2.5 mm²), 2x (2.5 6 mm²)• solid2x (1 2.5 mm²), 2x (2.5 6 mm²)• finely stranded with core end processing2x (1 2.5 mm²), 2x (2.5 6 mm²)type of connectable conductor cross-sections for AWG cables for main contacts for box terminal1x 8, 2x (16 10)• using the front clamping point1x 8, 2x (16 10)type of connectable conductor cross-sections for main contacts1 10 mm²• solid1 10 mm²• solid2x (0.25 2.5 mm²)• solid2x (0.25 2.5 mm²)• solid2x (0.25 1.5 mm²)type of connectable conductor cross-sections for auxiliary contacts2x (0.25 1.5 mm²)	· · · · · · · · · · · · · · · · · · ·		
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type of connectable conductor cross-sections for AWG 1x 8, 2x (16 10) • using the front clamping point 1x 8, 2x (16 10) type of connectable conductor cross-sections for main contacts 1 10 mm² • solid 1 10 mm² • finely stranded with core end processing 1 6 mm² type of connectable conductor cross-sections for auxiliary contacts 2x (0.25 2.5 mm²) • solid 2x (0.25 1.5 mm²) type of connectable conductor cross-sections for AWG 1 6 mm²			
cables for main contacts for box terminalImage: solid solution cross-sections for main contactsImage: solid solution cross-sections for main contacts• solid s			2x (1 2.0 mm), 2x (2.0 0 mm)
type of connectable conductor cross-sections for main contacts 1 • solid 1 • finely stranded with core end processing 1 type of connectable conductor cross-sections for auxiliary contacts 1 • solid 2x (0.25 2.5 mm²) • finely stranded with core end processing 2x (0.25 1.5 mm²) type of connectable conductor cross-sections for AWG 1			
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• finely stranded with core end processing 1 6 mm² type of connectable conductor cross-sections for auxiliary contacts 2x (0.25 2.5 mm²) • solid 2x (0.25 2.5 mm²) • finely stranded with core end processing 2x (0.25 1.5 mm²) type of connectable conductor cross-sections for AWG 5	••		
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type of connectable conductor cross-sections for auxiliary contacts 2x (0.25 2.5 mm²) • solid 2x (0.25 2.5 mm²) • finely stranded with core end processing 2x (0.25 1.5 mm²) type of connectable conductor cross-sections for AWG 2x (0.25 1.5 mm²)	 finely stranded with core end processing 		1 6 mm²
contacts 2x (0.25 2.5 mm²) • solid 2x (0.25 2.5 mm²) • finely stranded with core end processing 2x (0.25 1.5 mm²) type of connectable conductor cross-sections for AWG			
finely stranded with core end processing 2x (0.25 1.5 mm ²) type of connectable conductor cross-sections for AWG	•••		
type of connectable conductor cross-sections for AWG	• solid		2x (0.25 2.5 mm²)
type of connectable conductor cross-sections for AWG	 finely stranded with core end processing 		2x (0.25 1.5 mm²)

		10 0				
• for main contacts		16 8				
for auxiliary contacts	_	2x (24 14)				
Ambient conditions	_	_		_		
installation altitude at height above sea level	m	5 000				
environmental category						
 during transport according to IEC 60721 			2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
 during storage according to IEC 60721 		(sand must not	1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
during operation according to IEC 60721	_		tion of ice, no condensations to the devices)			
ambient temperature						
 during operation 	°C	-25 +60				
during storage	°C	-40 +80				
derating temperature	°C	40				
protection class IP on the front according to IEC 60529		IP20	IP20			
touch protection on the front according to IEC 60529		finger-safe, for	vertical contact from the f	ront		
UL/CSA ratings						
yielded mechanical performance [hp] for 3-phase AC motor • at 220/230 V						
— at standard circuit at 50 °C rated value	hp	7.5				
• at 460/480 V	r					
- at standard circuit at 50 °C rated value	hp	20				
contact rating of auxiliary contacts according to UL		B300 / R300				
Approvals Certificates	-	2000711000				
Confirmation UK		ccc	EG-Konf.			
General Product Ap- proval EMV	т	est Certificates	other			
	:	Type Test Certific- ates/Test Report	<u>Miscellaneous</u>	<u>Confirmation</u>		
Environment						
Environmental Con- firmations						
Further information						
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=3RW3027-2BB04

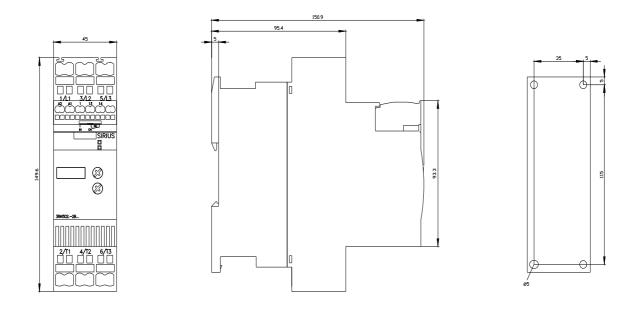
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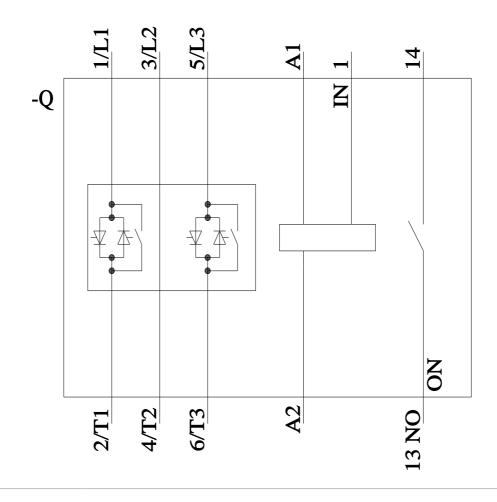
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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