SIEMENS

Data sheet

3RW3027-1BB04



SIRIUS soft starter S0 32 A, 15 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		
 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 operational current at 40 °C during operation typical	W	13
Control circuit/ Control	-	
	_	
type of voltage of the control supply voltage		AC/DC
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	24
• at 60 Hz rated value	V	24
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
control supply voltage 1 at DC rated value	V	24
relative negative tolerance of the control supply voltage at DC	%	-15
relative positive tolerance of the control supply voltage at DC	%	10
display version for fault signal		red
Mechanical data		
size of engine control device		S0
width	mm	45
height	mm	125
depth	mm	150
fastening method	_	screw and snap-on mounting
mounting position		With vertical mounting surface +/-10° rotatable, with vertical
		mounting surface +/- 10° tiltable to the front and back
required spacing with side-by-side mounting		
upwards	mm	60
at the side	mm	15
downwards	mm	40
wire length maximum	m	300
number of poles for main current circuit		3
Connections/ Terminals		
type of electrical connection		
for main current circuit		screw-type terminals
 for auxiliary and control circuit 		screw-type terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts		1
number of CO contacts for auxiliary contacts		0
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point		
• solid		2x (1 2.5 mm²), 2x (2.5 6 mm²)
 finely stranded with core end processing 		2x (1 2.5 mm ²), 2x (2.5 6 mm ²)
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal		
using the front clamping point		1x 8, 2x (16 10)
type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.5 2.5 mm²)
 finely stranded with core end processing 		2x (0.5 1.5 mm ²)
type of connectable conductor cross-sections for AWG cables		
for auxiliary contacts		2x (20 14)
 for auxiliary contacts for auxiliary contacts finely stranded with core end processing 		2x (20 14) 2x (20 16)
Ambient conditions		

installation altitude at h	neight above sea level		m	5 000		
environmental category	/					
 during transport ac 	ccording to IEC 60721			2K2, 2C1, 2S1	, 2M2 (max. fall height 0.3	m)
 during storage acc 	cording to IEC 60721				isional condensation), 1C2 t get inside the devices), 1N	
• during operation a	ccording to IEC 60721				tion of ice, no condensation at not get into the devices),	
ambient temperature						
 during operation 			°C	-25 +60		
 during storage 			°C	-40 +80		
derating temperature			°C	40		
protection class IP on t	he front according to I	EC 60529		IP20		
touch protection on the	e front according to IEC	60529		finger-safe, for	finger-safe, for vertical contact from the front	
Certificates/ approvals						
SP.	<u>Confirmation</u>				EHC	RCM
Declaration of Conform	nity	Test Certificate	es oth	ner		
UK CA	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Rep		<u>Miscellaneous</u>	<u>Confirmation</u>	
UL/CSA ratings yielded mechanical per	formance [hp] for 3-ph	ase AC motor				
• at 220/230 V						

• at 220/200 •			
— at standard circuit at 50 °C rated value	hp	7.5	
• at 460/480 V			
— at standard circuit at 50 °C rated value	hp	20	
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=3RW3027-1BB04

Cax online generator

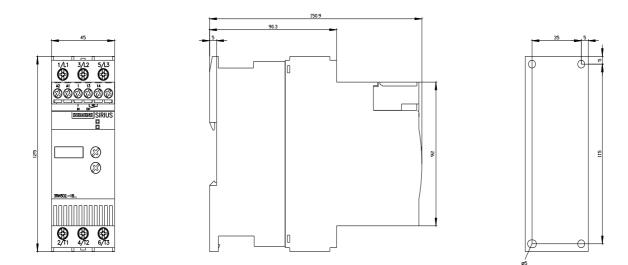
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3027-1BB04

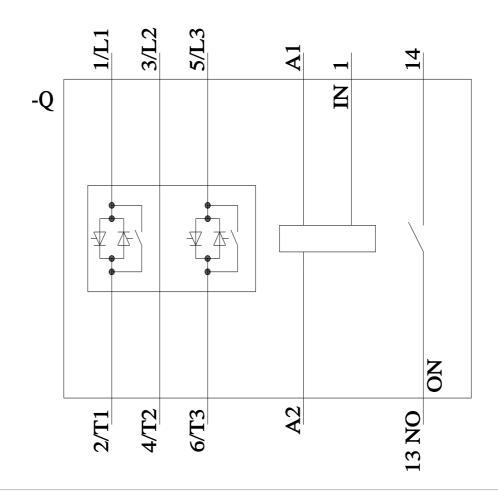
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW3027-1BB04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3027-1BB04&lang=en





last modified:

8/24/2023 🖸