## SIEMENS

## Data sheet

## 3RW3017-1BB04

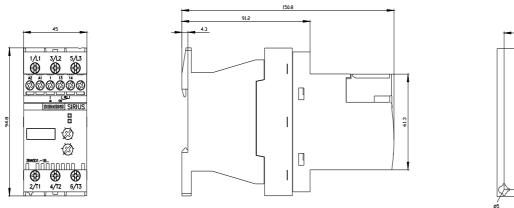


SIRIUS soft starter S00 12.5 A, 5.5 kW/400 V, 40  $^\circ\text{C}$  200-480 V AC, 24 V AC/DC Screw terminals

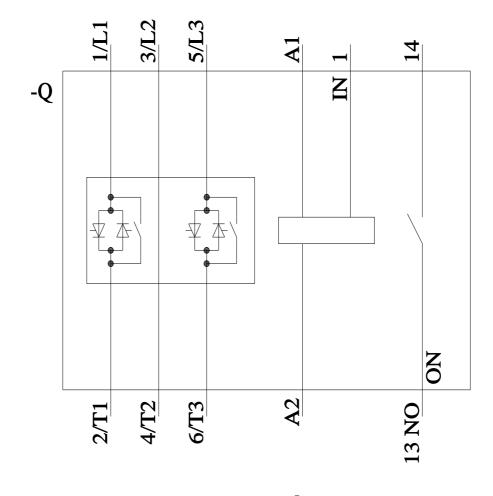
General technical data							
product brand name		SIRIUS					
product feature							
<ul> <li>integrated bypass contact system</li> </ul>		Yes					
thyristors		Yes					
product function							
intrinsic device protection		No					
<ul> <li>motor overload protection</li> </ul>		No					
<ul> <li>evaluation of thermistor motor protection</li> </ul>		No					
external reset		No					
<ul> <li>adjustable current limitation</li> </ul>		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		G					
according to IEC 204-2 according to IEC 750							
Power Electronics							
product designation		Soft starter					
operational current							
• at 40 °C rated value	A	12.5					
• at 50 °C rated value	A	12					
• at 60 °C rated value	A	11					
yielded mechanical performance for 3-phase motors							
• at 230 V							
— at standard circuit at 40 °C rated value	kW	3					
• at 400 V							
<ul> <li>— at standard circuit at 40 °C rated value</li> </ul>	kW	5.5					
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	3					
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	W	2					

operation typical				
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	%	-10		
voltage frequency				
relative positive tolerance of the control supply voltage frequency	%	10		
control supply voltage 1 at AC				
<ul> <li>at 50 Hz rated value</li> </ul>	V	24		
<ul> <li>at 60 Hz rated value</li> </ul>	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	%	-20		
voltage at DC relative positive tolerance of the control supply	%	20		
voltage at DC				
display version for fault signal		red		
Mechanical data size of engine control device	_	S00		
width	mm	45		
height	mm	95		
depth	mm	150		
fastening method		screw and snap-on mounting		
mounting position		With vertical mounting surface +/-10° rotatable, with		
mounting position		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		
<ul> <li>downwards</li> </ul>	mm	40		
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>		screw-type terminals		
<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		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)		
<ul> <li>finely stranded with core end processing</li> </ul>		2x (1 2.5 mm <sup>2</sup> ), 2x (2.5 6 mm <sup>2</sup> )		
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal				
<ul> <li>using the front clamping point</li> </ul>		2x (16 10)		
type of connectable conductor cross-sections for auxiliary contacts				
• solid		2x (0.25 2.5 mm²)		
<ul> <li>finely stranded with core end processing</li> </ul>		2x (0.25 1.5 mm²)		
type of connectable conductor cross-sections at AWG cables				
<ul> <li>for auxiliary contacts</li> </ul>		2x (20 14)		
<ul> <li>for auxiliary contacts finely stranded with core end</li> </ul>		2x (20 16)		
processing				
Ambient conditions				

environmental cate • during transpo • during storage • during operation ambient temperatur • during operation • during storage derating temperatur	rt according to IEC 6072 according to IEC 60721 on according to IEC 6072 re on	1 21	m °C °C °C	1K6 (only occa 1S2 (sand mu 3K6 (no forma	I, 2M2 (max. fall height asional condensation), st not get inside the de tion of ice, no condens nd must not get into the	1C2 (no salt mist), vices), 1M4 ation), 3C3 (no salt			
60529 touch protection or		finger-safe for	vertical contact from t	he front					
Certificates/ approva	-			iniger sure, for					
General Product A						EMC			
Scholar Floddol A	PP-0101								
(SP)	<u>Confirmation</u>			(UL) UL	EHC	RCM			
Declaration of Conformity	Test Certificates	other							
C C EG-Konf.	<u>Type Test Certific-</u> <u>ates/Test Report</u>	<u>Confirmatio</u>	<u>n M</u>	iscellaneous					
UL/CSA ratings									
	I performance [hp] for 3	B-phase AC							
motor									
• at 220/230 V	rd airevit at 50 °C rated		h n	0					
— at standa ● at 460/480 V	rd circuit at 50 °C rated v	aide	hp	3					
	rd circuit at 50 °C rated v	value	hp	7.5					
contact rating of auxiliary contacts according to UL				B300 / R300					
Further information									
	Soft Starters (STS)		47						
Information- and Do https://www.siemens Industry Mall (Onlin https://mall.industry.s Cax online generat http://support.automa Service&Support (In https://support.indus Image database (pr	ne ordering system) siemens.com/mall/en/en/ or ation.siemens.com/WW// Manuals, Certificates, C try.siemens.com/cs/ww/e roduct images, 2D dime	gs, Brochures,. Catalog/product CAXorder/defaul haracteristics, en/ps/3RW3017- ension drawings	) ?mlfb=3RW3 t.aspx?lang= FAQs,) 1BB04 s, 3D models	en&mlfb=3RW30		cros,)			
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3017-1BB04⟨=en									







last modified:

10/28/2022 🖸

2/10/2023 **SIEMENS KALA**