SIEMENS

Data sheet

3RW3017-1BB04

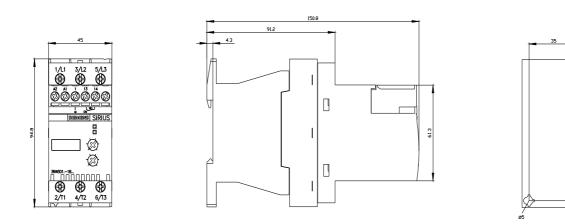


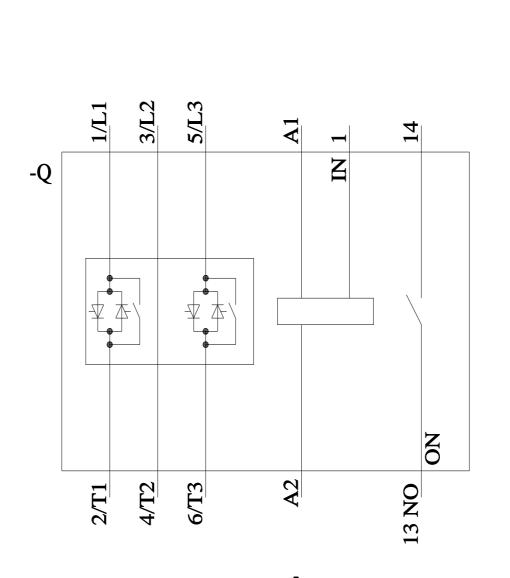
SIRIUS soft starter S00 12.5 A, 5.5 kW/400 V, 40 $^\circ\text{C}$ 200-480 V AC, 24 V AC/DC Screw terminals

General technical data		
product brand name		SIRIUS
product feature		
 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		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		
 — at standard circuit at 40 °C rated value 	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 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	%	-20
relative positive tolerance of the control supply voltage at DC	%	20
display version for fault signal		red
Mechanical data		
size of engine control device		S00
width	mm	45
height	mm	95
depth featoning method	mm	150
fastening method		screw and snap-on mounting With vertical mounting surface +/_10° rotatable, with
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 main current circuit for auxiliary and control circuit 		screw-type terminals 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 mm²), 2x (2.5 6 mm²)
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		
 using the front clamping point 		2x (16 10)
type of connectable conductor cross-sections for auxiliary contacts		
• 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 at AWG cables		
 for auxiliary contacts 		2x (20 14)
 for auxiliary contacts finely stranded with core end processing 		2x (20 16)
Ambient conditions		

installation altitude	at height above sea le	vel	m	5 000			
environmental categ	environmental category						
 during transport 	rt according to IEC 6072	1		2K2, 2C1, 2S1	, 2M2 (max. fall height	0.3 m)	
	according to IEC 60721				isional condensation),		
e dannig otorago					st not get inside the de		
 during operatio 	on according to IEC 6072	21			tion of ice, no condens	,	
		- '		mist), 3S2 (sar	nd must not get into the	e devices), 3M6	
ambient temperatur	<u>م</u>				ia maor not got mo un	,,	
during operatio			°C	-25 +60			
0 1							
during storage			°C	-40 +80			
derating temperatur			°C	40			
	on the front according	to IEC		IP20			
	60529						
touch protection on	the front according to	IEC 60529		finger-safe, for	vertical contact from t	ne front	
Certificates/ approval	s						
General Product Ap	pproval					EMC	
	Confirmation	\bigcirc		\frown		Δ	
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		$\underline{\bullet}$			ENL	Ś	
CSA		ccc		UL		RCM	
Declaration of	Test Certificates	other					
Conformity		other					
~ ~	Type Test Certific-	Confirmation	on M	<u>liscellaneous</u>			
((ates/Test Report						
EG-Konf.							
UL/CSA ratings							
	performance [hp] for 3	-nhase AC	_	_			
motor	periormanee [np] ioi e	phase Ae					
• at 220/230 V							
	rd circuit at 50 °C rated v	alue	hn	3			
		aluc	hp	5			
• at 460/480 V			hp	7.5			
	— at standard circuit at 50 °C rated value			7.5			
contact rating of auxiliary contacts according to UL				B300 / R300			
Further information							
Simulation Tool for							
	try.siemens.com/cs/ww/e	en/view/101494	<u>917</u>				
Information on the p							
	try.siemens.com/cs/ww/e						
	ownloadcenter (Catalog	gs, Brochures,)				
https://www.siemens.							
Industry Mall (Onlin		Cotolog /arcdure					
	siemens.com/mall/en/en/	Catalog/produc		<u>0017-18804</u>			
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	lanuals, Certificates, C						
Sarvical Sunnart (M							
		en/ps/3RW3017	-1BB04				
https://support.indust	try.siemens.com/cs/ww/e			s, device circuit c	liagrams, FPI ΔN ma	cros)	
https://support.indust Image database (pro		nsion drawing	s, 3D models		diagrams, EPLAN ma	cros,)	





last modified:

10/28/2022 🖸

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