SIEMENS

Data sheet

3RW30 17-2BB04



SIRIUS SOFT STARTER, SIZE S00, 12.5A, 5.5KW/400V, 40 DEGREES, 200-480V AC, 24V AC/DC, SPRING-LOADED TERMINALS

General technical data				
product brandname	SIRIUS			
 Product equipment Integrated bypass contact system 	Yes			
 Product feature 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			
Equipment marking acc. to DIN EN 61346-2	Q			
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	G			
Power Electronics				

Product designation

Soft starter

Operating current		
• at 40 °C rated value	А	12.5
• at 50 °C rated value	А	12
• at 60 °C rated value	А	11
Mechanical power output for three-phase motors		
● at 230 V		
— at standard circuit at 40 °C rated value	W	3 000
• at 400 V		
— at standard circuit at 40 °C rated value	W	5 500
Yielded mechanical performance [hp] for three-phase	hp	3
AC motor at 200/208 V at standard circuit at 50 °C rated value		
Operating frequency rated value	Hz	50 60
Relative negative tolerance of the operating	%	-10
frequency		
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 [% of IM]	%	10
Continuous operating current [% of le] at 40 °C	%	115
Power loss [W] at operating current at 40 °C during operation typical	W	2
Control electronics		
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 60 Hz	%	-20
Relative positive tolerance of the control supply voltage at AC at 60 Hz	%	20
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
lechanical data		
Size of engine control device		S00
Width	mm	45
Height	mm	120
Depth	mm	150
Mounting type		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 		spring-loaded terminals
 for auxiliary and control current circuit 		spring-loaded 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 conductors for main contacts for box terminal		
 using the front clamping point 		2x (16 10)
Type of connectable conductor cross-sections for main contacts		
• solid		1 4 mm²
 finely stranded with core end processing 		1 2.5 mm²
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 conductors		

				40 40		
• for main contac				16 12 24 (24 - 4	4	
 for auxiliary cor 	ntacts			2x (24 1	4)	
Ambient conditions						
Installation altitude at	t height above sea le	vel	m	5 000		
Environmental catego	ory					
 during transpor 	t acc. to IEC 60721					condensation), 3C3 (no ot get into the devices),
 during storage 	acc. to IEC 60721					condensation), 3C3 (no ot get into the devices),
 during operatio 	n acc. to IEC 60721					condensation), 3C3 (no ot get into the devices),
Ambient temperature)					
 during operatio 	n		°C	-25 +60		
 during storage 			°C	-40 +80		
Derating temperature)		°C	40		
Protection class IP				IP20		
Certificates/approva	ls					
General Product	Approval				EMC	Declaration of Conformity
CCC	CSA			EHC	C-Tick	EG-Konf.
Test Certificates	other					
<u>Type Test</u> Certificates/Test <u>Report</u>	Miscellaneous	Environmer Confirmatio		<u>Confirmation</u>		

UL/CSA ratings		
Yielded mechanical performance [hp] for three-phase		
AC motor		
● at 220/230 V		
— at standard circuit at 50 °C rated value	hp	3
● at 460/480 V		
— at standard circuit at 50 °C rated value	hp	7.5
Contact rating of auxiliary contacts according to UL		B300 / R300

Further information

Simulation Tool for Soft Starters (STS)

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

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

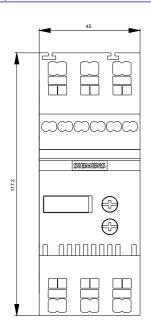
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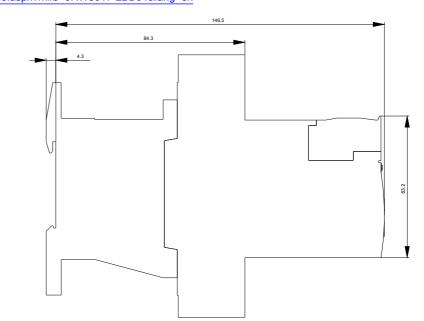
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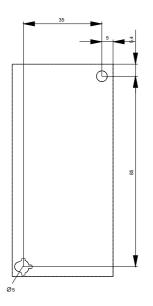
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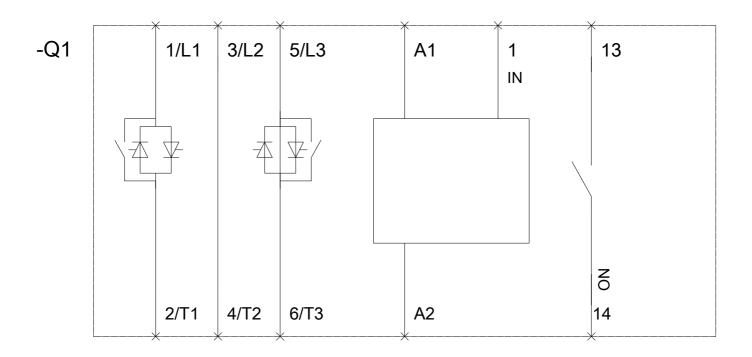
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW3017-2BB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3017-2BB04&lang=en









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