SIEMENS

Data sheet

3RW3017-1BB04



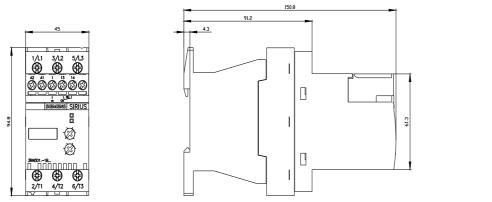
SIRIUS soft starter S00 12.5 A, 5.5 kW/400 V, 40 $^\circ\text{C}$ 200-480 V AC, 24 V AC/DC Screw terminals

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 according to IEC 204-2 according to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
• at 40 °C rated value	А	12.5
• at 50 °C rated value	А	12
• at 60 °C rated value	А	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	••	2
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 atDC	%	20
display version for fault signal		red
Mechanical data		
size of engine control device		S00
width	mm	45
height r	mm	95
depth r	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 r	mm	60
• at the side	mm	15
downwards	mm	40
	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 mm²), 2x (2.5 6 mm²)
type of connectable conductor cross-sections for 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 for 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 level m 5 000 environmental category e during transport according to IEC 60721 2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m) 4 during storage according to IEC 60721 1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4 ambient temperature 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (seand must not get into the devices), 3M6 ambient temperature °C -25 +60 e during storage °C -25 +60 e during storage °C -40 +80 derating temperature °C 40 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection of Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation Confirmation of Conformity Test Certificates Confirmation of Conformity Type Test Certificates Confirmation discellaneous Confirmation Miscellaneous								
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• during operation according to IEC 60721 (sand must not get inside the devices), 1M4 ambient temperature 3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6 ambient temperature °C -25 +60 • during operation °C -40 +80 derating temperature °C 40 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 formation Certificates/ approvals Centificates/ approvals EMC Operation of Conformity Test Certificates other Type Test Certificates Confirmation of Conformity Type Test Certificates	during transport according to IEC 60721				2K2, 2C1, 2S	2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)		
amblent temperature 3S2 (sand must not get into the devices), 3M6 aduing operation °C • during storage °C • during temperature °C • or during temperature	 during storage acc 	cording to IEC 60721						
• during storage °C -25 +60 • during storage °C -40 +80 derating temperature °C 40 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 certificates/ approvals finger-safe, for vertical contact from the front Certificates/ approvals EMC Confirmation €C Confirmation €C Declaration of Conformity Test Certificates CERTIFICATE Confirmation Type Test Certificates/ response Confirmation Miscellaneous	during operation a	ccording to IEC 60721						
• during storage °C -40 +80 • during storage °C 40 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 IP20 Certificates/ approvals EMC Confirmation Confirmation Confirmation Cecc Up Test Certificates Declaration of Conformity Test Certificates Centificates/ approvals Other	ambient temperature							
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protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Certificates/ approvals Centificates/ approvals Confirmation Confirmation Certificates/ approvals Centificates/ approvals Confirmation Confirmation Certificates Confirmation Certificates Other Confirmation Certificates Other Confirmation Certificates Other Confirmation Miscellaneous	 during storage 			°C	-40 +80			
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Confirmation Image: Confirmation	Certificates/ approvals							
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CE UK Type Test Certific- ates/Test Report Confirmation Miscellaneous	SP.	Confirmation				EHC	RCM	
CE UK ates/Test Report	Declaration of Conform	nity	Test Certificate	es	other			
	CE EG-Konf.	UK CA			Confirmation Mis	cellaneous		

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	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





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