



SIRIUS SOFT STARTER, SIZE S00, 6.5A, 3KW/400V, 40 DEGREES, 200-480V AC, 24V AC/DC, SPRING-LOADED TERMINALS

General technical data:

product brand name		SIRIUS
Product feature		
<ul style="list-style-type: none"> integrated bypass contact system 		Yes
<ul style="list-style-type: none"> Thyristors 		Yes
Product function		
<ul style="list-style-type: none"> Intrinsic device protection 		No
<ul style="list-style-type: none"> motor overload protection 		No
<ul style="list-style-type: none"> Evaluation of thermistor motor protection 		No
<ul style="list-style-type: none"> External reset 		No
<ul style="list-style-type: none"> Adjustable current limitation 		No
<ul style="list-style-type: none"> 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 starters for standard applications
Operating current		
<ul style="list-style-type: none"> at 40 °C Rated value 	A	6.5
<ul style="list-style-type: none"> at 50 °C Rated value 	A	6
<ul style="list-style-type: none"> at 60 °C Rated value 	A	5.5
Mechanical power output for three-phase motors		
<ul style="list-style-type: none"> at 230 V 		

— at standard circuit at 40 °C Rated value	W	1 500
• at 400 V		
— at standard circuit at 40 °C Rated value	W	3 000
yielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C Rated value	metric hp	1
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 in % of I _M	%	10
Continuous operating current in % of I _e at 40 °C	%	115
Active power loss at operating current at 40 °C during operation typical	W	0.5

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 with AC		
• at 50 Hz Rated value	V	24
• at 60 Hz Rated value	V	24
Relative negative tolerance of the control supply voltage with AC at 60 Hz	%	-20
Relative positive tolerance of the control supply voltage with AC at 60 Hz	%	20
Control supply voltage 1 for DC Rated value	V	24
Relative negative tolerance of the control supply voltage for DC	%	-20
Relative positive tolerance of the control supply voltage for DC	%	20
Display version for fault signal		red

Mechanical 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
Installation altitude at height above sea level	m	5 000
Cable 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-section for main contacts for box terminal using the front clamping point		
• solid		2x (1 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
• finely stranded with core end processing		2x (1.5 ... 2.5 mm ²), 2x (2.5 ... 6 mm ²)
Type of connectable conductor cross-section for AWG conductors for main contacts for box terminal		
• using the front clamping point		2x (16 ... 10)
Type of connectable conductor cross-section for main contacts		
• solid		1 ... 4 mm ²
• finely stranded with core end processing		1 ... 2.5 mm ²
Type of connectable conductor cross-section for auxiliary contacts		
• solid		2x (0.25 ... 2.5 mm ²)
• finely stranded with core end processing		2x (0.25 ... 1.5 mm ²)
Type of connectable conductor cross-section for AWG conductors		
• for main contacts		16 ... 12
• for auxiliary contacts		2x (24 ... 14)

Ambient conditions:

Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-40 ... +80

Derating temperature	°C	40
Protection class IP		IP20

Certificates/ approvals:

General Product Approval	EMC	Test Certificates
 CCC		 Type Test Certificates/Test Report
 CSA	 UL	

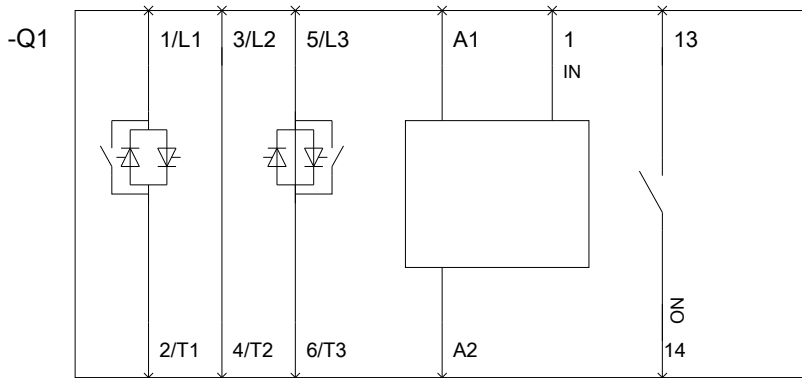
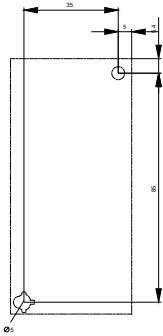
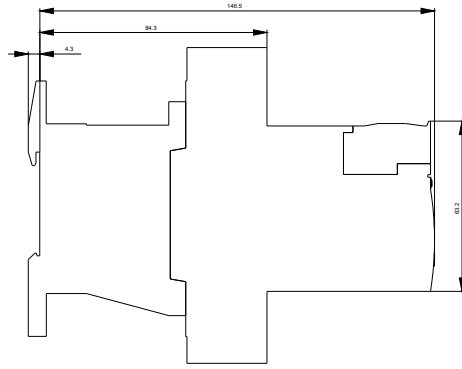
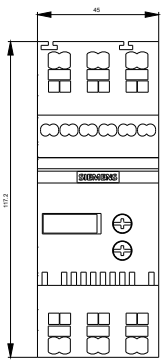
other		
Declaration of Conformity	other	Environmental Confirmations

UL/CSA ratings:

yielded mechanical performance [hp] for three-phase AC motor <ul style="list-style-type: none"> • at 220/230 V <ul style="list-style-type: none"> — at standard circuit at 50 °C Rated value • at 460/480 V <ul style="list-style-type: none"> — at standard circuit at 50 °C Rated value 	metric hp	1
	metric hp	3
Contact rating of the auxiliary contacts acc. to UL		B300 / R300

Further information

- Information- and Downloadcenter (Catalogs, Brochures,...)**
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**
<http://www.siemens.com/industrymall>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW30142BB04>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<http://support.automation.siemens.com/WW/view/en/3RW30142BB04/all>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RW30142BB04&lang=en>



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