SIEMENS

Data sheet 3RW30 03-1CB54

SOFT STARTER WIDTH 22.5 MM 3A, 1.1KW/400 V, 40 DEGR.C 200-400V / UC 24-230V SCREW CONNECTION

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
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		
• at 40 °C Rated value	A	3
• at 50 °C Rated value	A	2.6
• at 60 °C Rated value	A	2.2
Mechanical power output for three-phase motors		
• at 230 V		

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— at standard circuit at 40 °C Rated value	W	500
• at 400 V		
— at standard circuit at 40 °C Rated value	W	1 100
yielded mechanical performance [hp] for three-phase AC motor at 200/208 V at standard circuit at 50 °C Rated value	metric hp	0.5
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 ... 400
Relative negative tolerance of the operating voltage at standard circuit	%	-10
Relative positive tolerance of the operating voltage at standard circuit	%	10
Minimum load in % of I_M	%	9
Continuous operating current [% of Ie] at 40 °C	%	100
Active power loss at operating current at 40 °C during operation typical	W	6.5

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
Control supply voltage 1 with AC at 50 Hz	V	24 ... 230
Control supply voltage 1 with AC at 60 Hz	V	24 ... 230
Relative negative tolerance of the control supply voltage with AC at 60 Hz	%	-10
Relative positive tolerance of the control supply voltage with AC at 60 Hz	%	10
Control supply voltage 1 for DC	V	24 ... 230
Relative negative tolerance of the control supply voltage for DC	%	-10
Relative positive tolerance of the control supply voltage for DC	%	10

Mechanical data:		
Width	mm	22.5
Height	mm	102
Depth	mm	123
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
Installation altitude at height above sea level	m	5 000
Cable length maximum	m	100

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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 current circuit		screw-type terminals
Number of NC contacts for auxiliary contacts		0
Number of NO contacts for auxiliary contacts		0
Number of CO contacts for auxiliary contacts		0
Type of connectable conductor cross-section for main contacts		
• solid		0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²)
• finely stranded with core end processing		0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²)
Type of connectable conductor cross-section for auxiliary contacts		
• solid		0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²)
• finely stranded with core end processing		0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²)
Type of connectable conductor cross-section for AWG conductors		
• for main contacts		2x (20 ... 14)
• for auxiliary contacts		2x (20 ... 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	
CSA	UL	EAC	C-TICK	Type Test Certificates/Test Report	Special Test Certificate

other	
Declaration of Conformity	Environmental Confirmations

UL/CSA ratings:

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yielded mechanical performance [hp] for three-phase AC motor		
• **at 220/230 V**		
— at standard circuit at 50 °C Rated value	metric hp	0.5
Contact rating of the auxiliary contacts acc. to UL		B300 / R300

Further information

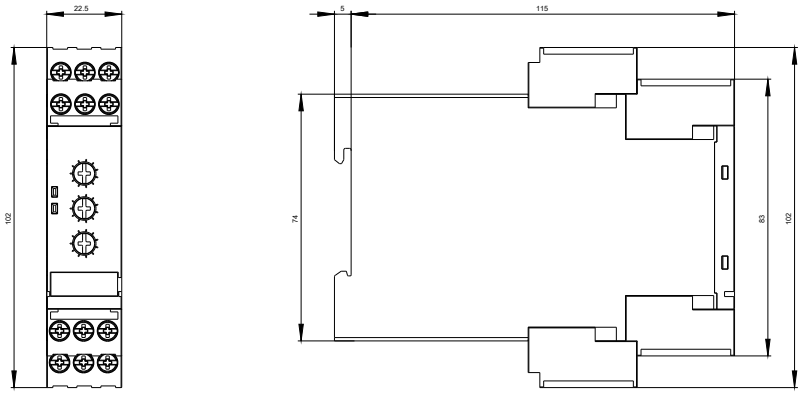
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

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=3RW30031CB54

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RW30031CB54

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW30031CB54&lang=en



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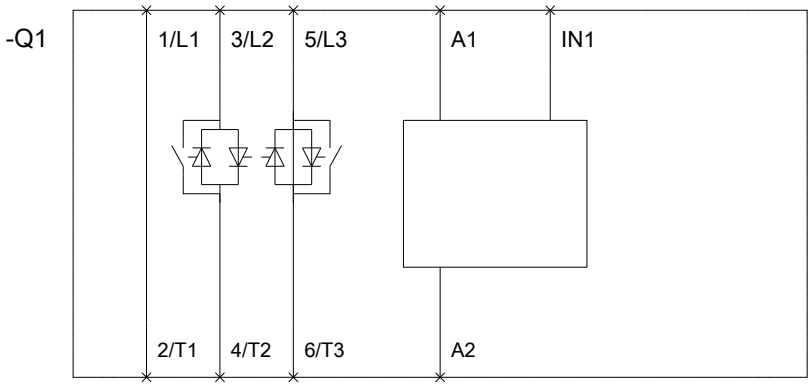

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