SIEMENS

Data sheet 3RW3003-1CB54



SIRIUS soft starter 22.5mm 3 A, 1.1 kW/400 V, 40 $^{\circ}\text{C}$ 200-400 V AC, 24-230 V AC/DC Screw terminals

product brand name		SIRIUS
product designation		Soft starter
product feature		
 integrated bypass contact system 		No
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
ower Electronics		
operational current		
 at 40 °C rated value 	Α	3
 at 50 °C rated value 	Α	2.6
• at 60 °C rated value	А	2.2
yielded mechanical performance for 3-phase motors		
• at 230 V		
 at standard circuit at 40 °C rated value 	kW	0.55
• at 400 V		
 at standard circuit at 40 °C rated value 	kW	1.1
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	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 [%]	%	9

power loss [W] at operational current at 40 °C during operation typical	W	6.5
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
control supply voltage 1 at AC at 50 Hz	V	24 230
control supply voltage 1 at AC at 50 Hz	V	24 230
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-10
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	%	-10
relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10
control supply voltage 1 at DC	V	24 230
relative negative tolerance of the control supply voltage at DC	%	-10
relative positive tolerance of the control supply voltage at DC	%	10
Mechanical data		
width	mm	22.5
height	mm	102
depth	mm	123
fastening method	-	screw and snap-on mounting
mounting position	-	With vertical mounting surface +/-10° rotatable, with vertical
mounting position		mounting surface +/- 10° tiltable to the front and back
wire length maximum	m	100
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		0
number of CO contacts for auxiliary contacts		0
type of connectable conductor cross-sections 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-sections 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-sections for AWG cables		
• for main contacts		2x (20 14)
for auxiliary contacts		2x (20 14)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 during storage according to IEC 60721 		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
during operation according to IEC 60721		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
 during operation 	°C	-25 +60
during operationduring storage	°C	-25 +60 -40 +80
during storage	°C	-40 +80
during storage derating temperature	°C	-40 +80 40

yielded mechanical performance [hp] for 3-phase AC motor - at standard circuit at 50 °C rated value hp 0.5 contact rating of auxiliary contacts according to UL B300 / R300

Approvals Certificates

General Product Approval

EMV





Confirmation







EMV	Test Certificates		other	Environment	
KC	Type Test Certificates/Test Report	Special Test Certificatte	Confirmation	Siemens EcoTech	Environmental Confirmations

Further information

Simulation Tool for Soft Starters (STS)

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

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW3003-1CB54

Cax online generator

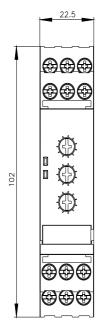
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3003-1CB54

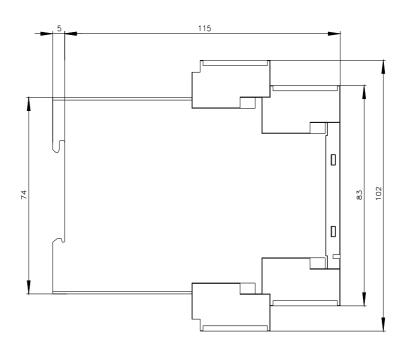
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

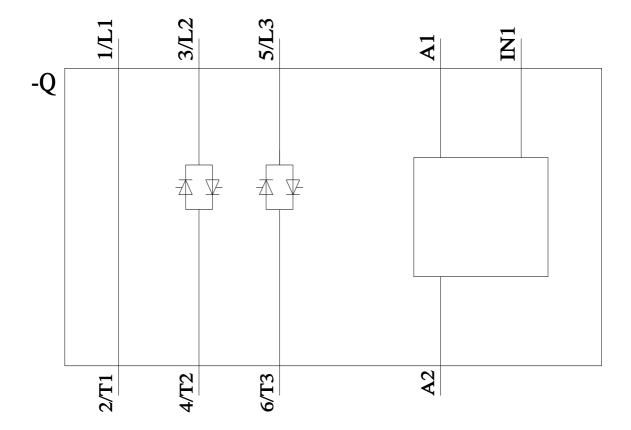
https://support.industry.siemens.com/cs/ww/en/ps/3RW3003-1CB54

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3003-1CB54&lang=en







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