



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

General details:		
product brand name		SIRIUS
Product equipment		
• integrated bridging contact system		Yes
• thyristors		Yes
Product function		
• intrinsic device protection		No
• motor overload protection		No
• evaluation of thermal resistor motor protection		No
• reset external		No
• adjustable current limitation		No
• inside-delta circuit		No
Product component / outlet for enine brake		No
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according 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
Emitted mechanical power / for three-phase servomotors		
• at 230 V / at standard switching / at 40 °C		
• rated value	W	500
• at 400 V / at standard switching / at 40 °C		
• rated value	W	1,100
yielded mechanical performance (hp) / for three-phase squirrel cage motors / 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 / with standard circuit / rated value	V	200 ... 400
Relative negative tolerance / of the operating voltage / with standard circuit	%	-10
Relative positive tolerance / of the operating voltage / with standard circuit	%	10
Minimum load in % of I_M	%	9
Continuous operating current in % of I_e / at 40°C	%	100
Active power loss / at operating current / at 40°C / during operating phase / typical	W	6.5

Control electronics:		
Type of voltage / of the controlled 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 50 Hz / for AC	V	24 ... 230
Control supply voltage / 1 / at 60 Hz / for AC	V	24 ... 230
Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC	%	-10
Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC	%	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 design:		
Width	mm	22.5

Height	mm	102
Depth	mm	123
Type of mounting		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 a height over sea level	m	5,000
Cable length / maximum	m	100
Number of poles / for main current circuit		3

Electrical connections:

Design of the electrical connection		
• for main current circuit • for auxiliary and control current circuit		screw-type terminals screw-type terminals
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Number of change-over switches / for auxiliary contacts		0
Type of the connectable conductor cross-section		
• for main contacts • solid • finely stranded / with conductor end processing • for AWG conductors / for main contacts		0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²) 0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²) 2x (20 ... 14)
Type of the connectable conductor cross-section		
• for auxiliary contacts • solid • finely stranded / with conductor end processing • for AWG conductors / for auxiliary contacts		0.5 ... 4 mm², 2x (0.5 ... 2.5 mm²) 0.5 ... 2.5 mm², 2x (0.5 ... 1.5 mm²) 2x (20 ... 14)

Ambient conditions:

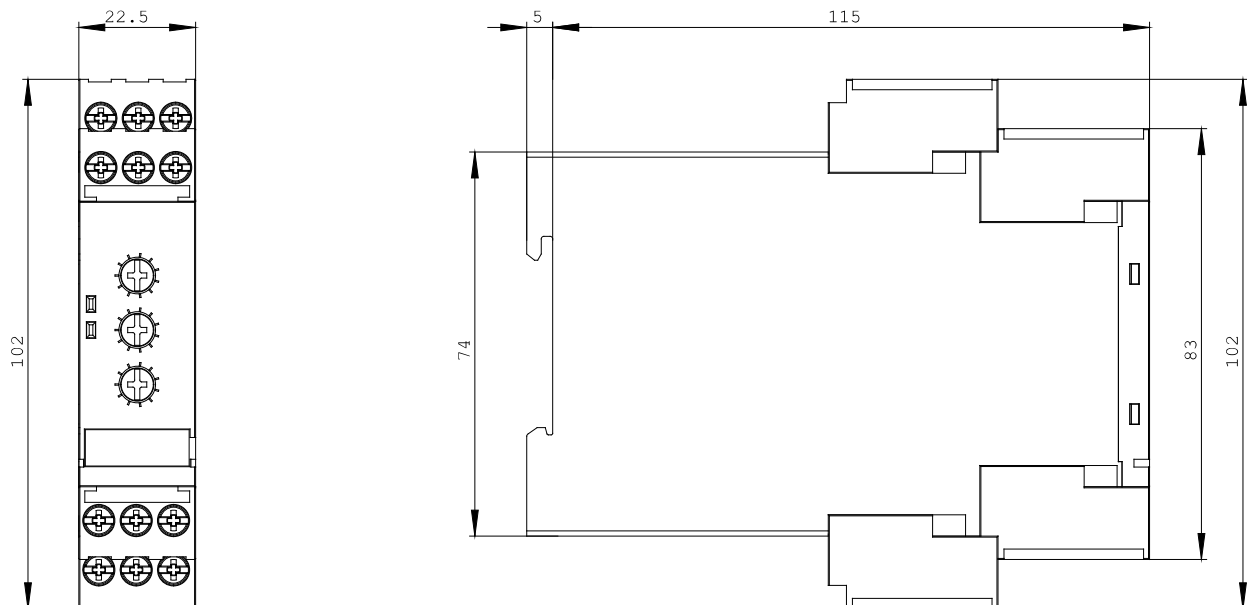
Ambient temperature		
• during operating • during storage	°C °C	-25 ... +60 -40 ... +80
Derating temperature	°C	40
Protection class IP		IP20

Certificates/approvals:

General Product Approval			EMC	Test Certificates	
 CSA	 GOST	 UL	 C-TICK	Special Test Certificate	Type Test Certificates/Test Report
other					
Declaration of Conformity		Environmental Confirmations			

UL/CSA ratings		
yielded mechanical performance (hp) / for three-phase squirrel cage motors - at 220/230 V / at standard circuit - at 50 °C / rated value	hp	0.5
Contact rating designation / for auxiliary contacts / according 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/industrial-controls/mall
CAX-Online-Generator http://www.siemens.com/cax
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RW3003-1CB54/all
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW3003-1CB54



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