



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

General details:

product brand name		SIRIUS
Product equipment		
<ul style="list-style-type: none"> integrated bridging 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 thermal resistor motor protection 		No
<ul style="list-style-type: none"> reset external 		No
<ul style="list-style-type: none"> adjustable current limitation 		No
<ul style="list-style-type: none"> inside-delta circuit 		No
Product component / outlet for enine brake		No
Item designation		
<ul style="list-style-type: none"> according to DIN EN 61346-2 		Q
<ul style="list-style-type: none"> 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
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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		
<ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 		spring-loaded terminals spring-loaded 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		
<ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded / with conductor end processing • for AWG conductors / for main contacts 		2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 1 mm ²) 2x (24 ... 16)
Type of the connectable conductor cross-section		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded / with conductor end processing • for AWG conductors / for auxiliary contacts 		2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 1 mm ²) 2x (24 ... 16)

Ambient conditions:

Ambient temperature		
<ul style="list-style-type: none"> • during operating • during storage 	°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 <ul style="list-style-type: none"> • 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:

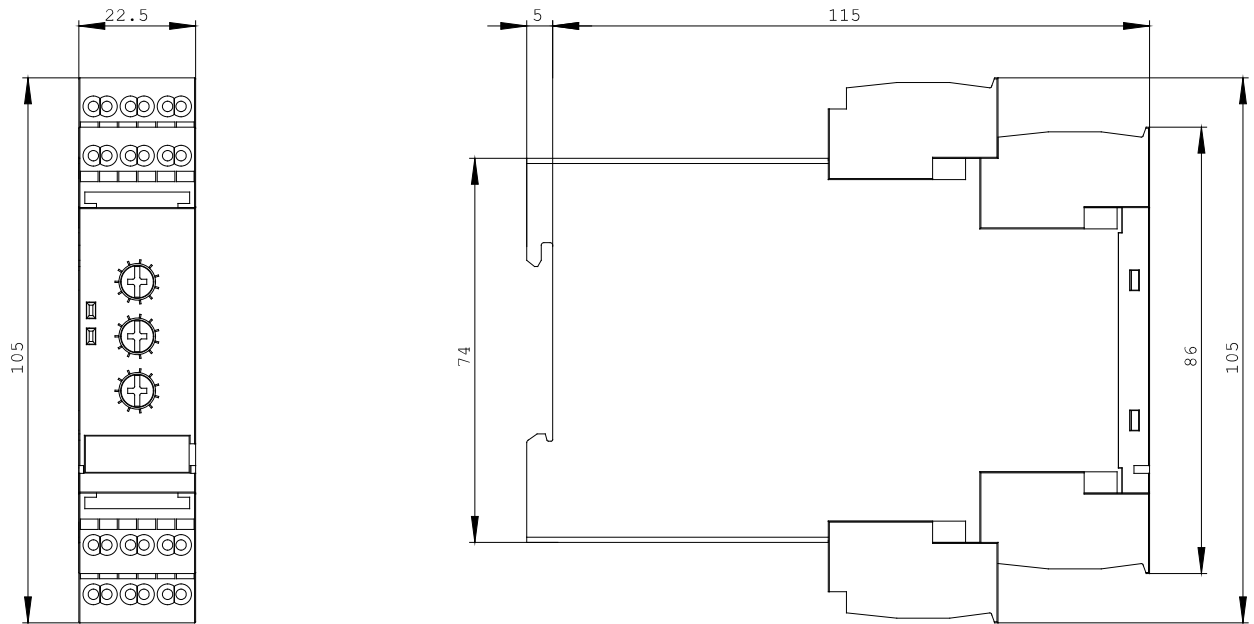
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
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last change:

Feb 7, 2013