



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		
• 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
<b>Emitted mechanical power / for three-phase servomotors</b>		
• 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
<b>yielded mechanical performance (hp) / for three-phase squirrel cage motors / at 200/208 V / at standard circuit / at 50 °C / rated value</b>	hp	0.5
<b>Operating frequency</b>		
• rated value	Hz	50 ... 60
<b>Relative negative tolerance / of the operating frequency</b>	%	-10
<b>Relative positive tolerance / of the operating frequency</b>	%	10
<b>Operating voltage / with standard circuit / rated value</b>	V	200 ... 400
<b>Relative negative tolerance / of the operating voltage / with standard circuit</b>	%	-10
<b>Relative positive tolerance / of the operating voltage / with standard circuit</b>	%	10
<b>Minimum load in % of I<sub>M</sub></b>	%	9
<b>Continuous operating current in % of I<sub>e</sub> / at 40°C</b>	%	100
<b>Active power loss / at operating current / at 40°C / during operating phase / typical</b>	W	6.5

<b>Control electronics:</b>		
<b>Type of voltage / of the controlled supply voltage</b>		AC/DC
<b>Control supply voltage frequency / 1 / rated value</b>	Hz	50
<b>Control supply voltage frequency / 2 / rated value</b>	Hz	60
<b>Control supply voltage / 1 / at 50 Hz / for AC</b>	V	24 ... 230
<b>Control supply voltage / 1 / at 60 Hz / for AC</b>	V	24 ... 230
<b>Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC</b>	%	-10
<b>Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC</b>	%	10
<b>Control supply voltage / 1 / for DC</b>	V	24 ... 230
<b>Relative negative tolerance / of the control supply voltage / for DC</b>	%	-10
<b>Relative positive tolerance / of the control supply voltage / for DC</b>	%	10

<b>Mechanical design:</b>		
<b>Width</b>	mm	22.5

<b>Height</b>	mm	102
<b>Depth</b>	mm	123
<b>Type of mounting</b>		screw and snap-on mounting
<b>Built in orientation</b>		With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back
<b>Altitude of installation site / at a height over sea level</b>	m	5,000
<b>Cable length / maximum</b>	m	100
<b>Number of poles / for main current circuit</b>		3



#### Electrical connections:

<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		spring-loaded terminals spring-loaded terminals
<b>Number of NC contacts / for auxiliary contacts</b>		0
<b>Number of NO contacts / for auxiliary contacts</b>		0
<b>Number of change-over switches / for auxiliary contacts</b>		0
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for main contacts               <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> </ul> </li> <li>• for AWG conductors / for main contacts</li> </ul>		2x (0.25 ... 1.5 mm²) 2x (0.25 ... 1 mm²) 2x (24 ... 16)
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for auxiliary contacts               <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with conductor end processing</li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		2x (0.25 ... 1.5 mm²) 2x (0.25 ... 1 mm²) 2x (24 ... 16)

#### Ambient conditions:

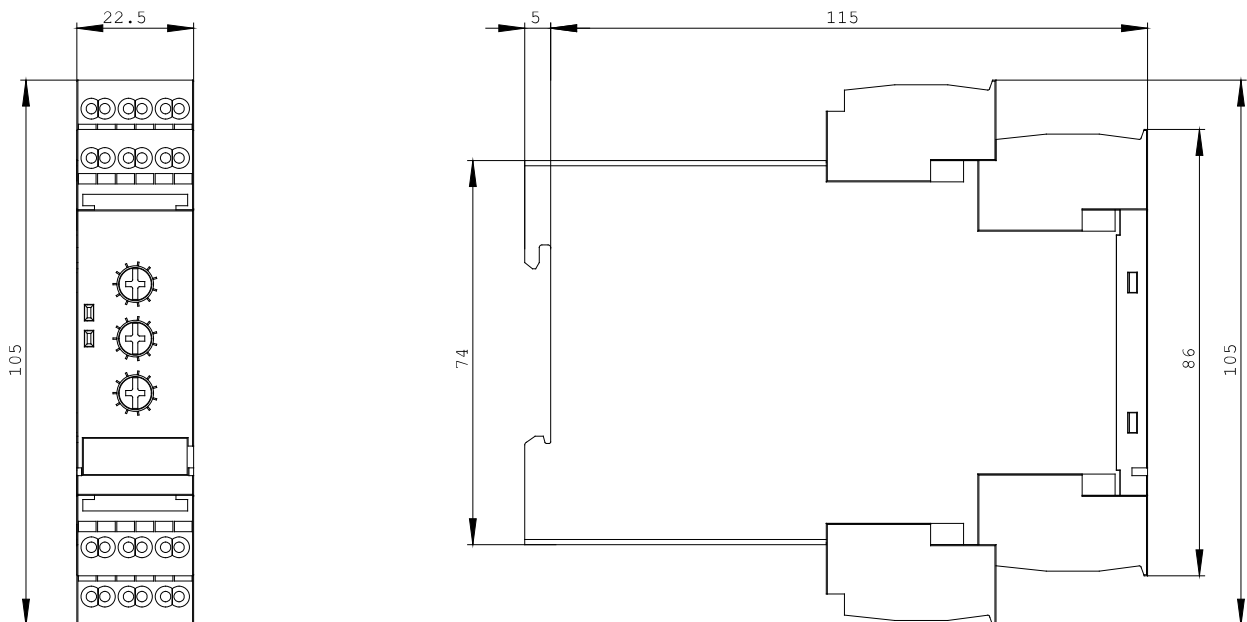
<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> </ul>	°C °C	-25 ... 60 -40 ... 80
<b>Derating temperature</b>	°C	40
<b>Protection class IP</b>		IP20

#### Certificates/approvals:

General Product Approval		Test Certificates	Shipping Approval	
	<a href="#">ROSTEST</a>		<a href="#">Manufacturer</a>	
other				
<a href="#">Manufacturer</a>				

UL/CSA ratings			
<b>yielded mechanical performance (hp) / for three-phase squirrel cage motors</b> <ul style="list-style-type: none"> <li>at 220/230 V / at standard circuit</li> <li>at 50 °C / rated value</li> </ul>	<table> <tr> <td>hp</td><td>0.5</td></tr> </table>	hp	0.5
hp	0.5		

Further information:
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="http://www.siemens.com/industrial-controls/catalogs">http://www.siemens.com/industrial-controls/catalogs</a>
<b>Industry Mall (Online ordering system)</b> <a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
<b>CAX-Online-Generator</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="http://support.automation.siemens.com/WW/view/en/3RW3003-2CB54/all">http://support.automation.siemens.com/WW/view/en/3RW3003-2CB54/all</a>
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW3003-2CB54">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW3003-2CB54</a>



last change: Oct 24, 2011