



SIRIUS SOFT STARTER, S0, 12.5A,  
5.5KW/400V, 40 DEGR., AC 200-480V,  
AC/DC 110-230V, SCREW TERMINALS

General details:		
<b>product brand name</b>		SIRIUS
<b>Product equipment</b>		
<ul style="list-style-type: none"> <li>integrated bridging contact system</li> </ul>		Yes
<ul style="list-style-type: none"> <li>thyristors</li> </ul>		Yes
<b>Product function</b>		
<ul style="list-style-type: none"> <li>intrinsic device protection</li> </ul>		Yes
<ul style="list-style-type: none"> <li>motor overload protection</li> </ul>		Yes
<ul style="list-style-type: none"> <li>evaluation of thermal resistor motor protection</li> </ul>		No
<ul style="list-style-type: none"> <li>reset external</li> </ul>		Yes
<ul style="list-style-type: none"> <li>adjustable current limitation</li> </ul>		Yes
<ul style="list-style-type: none"> <li>inside-delta circuit</li> </ul>		No
<b>Product component / outlet for enine brake</b>		No
<b>Item designation</b>		
<ul style="list-style-type: none"> <li>according to DIN EN 61346-2</li> </ul>		Q
<ul style="list-style-type: none"> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		G
Power Electronics:		
<b>product designation</b>		soft starters for standard applications
Operating current		

• at 40 °C / rated value	A	12.5
• at 50 °C / rated value	A	11
• at 60 °C / rated value	A	10
<b>Emitted mechanical power / for three-phase servomotors</b>		
• at 230 V / at standard switching / at 40 °C		
• rated value	W	3,000
• at 400 V / at standard switching / at 40 °C		
• rated value	W	5,500
<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	3
<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 ... 480
<b>Relative negative tolerance / of the operating voltage / with standard circuit</b>	%	-15
<b>Relative positive tolerance / of the operating voltage / with standard circuit</b>	%	10
<b>Minimum load in % of I<sub>M</sub></b>	%	20
<b>Adjustable rated current / of the motor / for motor overload protection / minimum</b>	A	5
<b>Continuous operating current in % of I<sub>e</sub> / at 40°C</b>	%	115
<b>Active power loss / at operating current / at 40°C / during operating phase / typical</b>	W	2

#### Control electronics:

<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>Relative negative tolerance / of the control supply voltage frequency</b>	%	-10
<b>Relative positive tolerance / of the control supply voltage frequency</b>	%	10
<b>Control supply voltage / 1 / at 50 Hz / for AC</b>	V	110 ... 230
<b>Control supply voltage / 1 / at 60 Hz / for AC</b>	V	110 ... 230
<b>Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC</b>	%	-15
<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	110 ... 230