

SOLID-STATE MOTOR STARTER W.ELECTRONIC  
DEVICE PROTECTION AND PC INTERFACE 100A,  
55KW/400V, 40CEL 200 TO 500V

### General technical data:

<b>product brand name</b>		SIRIUS
<b>Product feature</b>		
<ul style="list-style-type: none"> <li>integrated bypass contact system</li> </ul>		No
<b>Product function</b>		
<ul style="list-style-type: none"> <li>motor overload protection</li> </ul>		No
<ul style="list-style-type: none"> <li>Evaluation of thermistor motor protection</li> </ul>		No
<b>Equipment marking acc. to DIN EN 61346-2</b>		Q
<b>Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b>		G

### Power Electronics:

<b>Product designation</b>		soft starters for high feature applications
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>at 40 °C Rated value</li> </ul>	A	100
<ul style="list-style-type: none"> <li>at 55 °C Rated value</li> </ul>	A	85
<b>Mechanical power output for three-phase motors</b>		
<ul style="list-style-type: none"> <li>at 230 V           <ul style="list-style-type: none"> <li>at standard circuit at 40 °C Rated value</li> </ul> </li> </ul>	W	30 000
<ul style="list-style-type: none"> <li>at 400 V           <ul style="list-style-type: none"> <li>at standard circuit at 40 °C Rated value</li> </ul> </li> </ul>	W	55 000
<ul style="list-style-type: none"> <li>at 500 V           <ul style="list-style-type: none"> <li>at standard circuit at 40 °C Rated value</li> </ul> </li> </ul>	W	75 000
Operating frequency Rated value	Hz	50 ... 60
Operating voltage at standard circuit Rated value	V	200 ... 500

### Control electronics:

<b>Type of voltage of the control supply voltage</b>		AC
<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 AC at 50 Hz</b>	V	100 ... 415
<b>Control supply voltage 1 at AC at 60 Hz</b>	V	100 ... 415

### Mechanical data:

<b>Width</b>	mm	270
<b>Height</b>	mm	450
<b>Depth</b>	mm	265

Mounting type		screw fixing
Number of poles for main current circuit		3

#### Connections/ Terminals:

<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>		busbar connection screw-type terminals
Number of NC contacts for auxiliary contacts		0
Number of NO contacts for auxiliary contacts		2
Number of CO contacts for auxiliary contacts		1

#### Ambient conditions:

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	°C	55
<b>Derating temperature</b>	°C	40
<b>Protection class IP</b>		IP00

#### Certificates/ approvals:

<b>General Product Approval</b>	<b>other</b>
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[Umweltbestätigung](#)

#### UL/CSA ratings:

<b>yielded mechanical performance [hp] for three-phase AC motor</b>		
<ul style="list-style-type: none"> <li>• at 200/208 V <ul style="list-style-type: none"> <li>— at standard circuit at 55 °C Rated value</li> </ul> </li> <li>• at 220/230 V <ul style="list-style-type: none"> <li>— at standard circuit at 55 °C Rated value</li> </ul> </li> <li>• at 460/480 V <ul style="list-style-type: none"> <li>— at standard circuit at 55 °C Rated value</li> </ul> </li> </ul>	hp	25 30 60

#### Further information

##### Simulation Tool for Soft Starters (STS)

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

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

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW22340DB15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RW22340DB15>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RW22340DB15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW22340DB15&lang=en)

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