



CONTACTOR,  
75KW/400V/AC-3 W/O COIL AUXIL. CONTACTS 2NO+2NC  
3-POLE,  
SIZE S6 BAR CONNECTIONS CONVENTIONAL  
OPERATING MECHAN. AUX. CONDUCTOR: SCREW  
TERMINALS

#### General technical data:

<b>product brand name</b>		SIRIUS
<b>Size of the contactor</b>		S6
<b>Protection class IP / on the front</b>		IP00
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>Ambient temperature / during operating</b>	°C	-25 ... +60
<b>Mechanical operating cycles as operating time</b>		
<ul style="list-style-type: none"> <li>• of the contactor / typical</li> </ul>		10,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added auxiliary switch block / typical</li> </ul>		10,000,000
<ul style="list-style-type: none"> <li>• of the contactor with added electronics-compatible auxiliary switch block / typical</li> </ul>		5,000,000

#### Main circuit:

<b>Number of NC contacts / for main contacts</b>		0
<b>Number of NO contacts / for main contacts</b>		3
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• at AC-1 / at 400 V <ul style="list-style-type: none"> <li>• at 40 °C ambient temperature / rated value</li> </ul> </li> </ul>	A	185
<ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> </ul>	A	150
<ul style="list-style-type: none"> <li>• at AC-4 / at 400 V / rated value</li> </ul>	A	132

<ul style="list-style-type: none"> <li>with 1 current path / at DC-1           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> <li>with 2 current paths in series / at DC-1           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> <li>with 3 current paths in series / at DC-1           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> <li>with 1 current path / at DC-3 / at DC-5           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> <li>with 2 current paths in series / at DC-3 / at DC-5           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> <li>with 3 current paths in series / at DC-3 / at DC-5           <ul style="list-style-type: none"> <li>at 24 V / rated value</li> <li>at 110 V / rated value</li> </ul> </li> </ul>	A	160
	A	18
	A	160
	A	160
	A	160
	A	160
	A	2.5
	A	160
	A	160
	A	160
	A	160
<b>Service power</b>		
<ul style="list-style-type: none"> <li>at AC-2 / at 400 V / rated value</li> <li>at AC-3 / at 400 V / rated value</li> <li>at AC-4 / at 400 V / rated value</li> </ul>	kW	84
	kW	84
	W	75,000

Control circuit:		
<b>Voltage type / of control feed voltage</b>		AC/DC

Auxiliary circuit:		
<b>Number of NC contacts / for auxiliary contacts / instantaneous switching</b>		2
<b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b>		2

Short-circuit:		
<b>Design of the fuse link</b>		
<ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch / required</li> <li>for short-circuit protection of the main circuit           <ul style="list-style-type: none"> <li>with type of assignment 1 / required</li> <li>at type of coordination 2 / required</li> </ul> </li> </ul>		fuse gL/gG: 10 A  fuse gL/gG: 355 A  fuse gL/gG: 315 A









Installation/mounting/dimensions:		
<b>Mounting type</b>		screw fixing
<b>series installation</b>		Yes

<b>Width</b>	mm	120
<b>Height</b>	mm	172
<b>Depth</b>	mm	170
<b>Distance, to be maintained, to earthed part / sideways</b>	mm	10

#### Connection type:

<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>		<p>screw-type terminals</p> <p>screw-type terminals</p>
<b>Type of the connectable conductor cross-section</b>		
<ul style="list-style-type: none"> <li>• for AWG conductors / for main contacts</li> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul>		<p>4 ... 250 kcmil</p> <p>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>), max. 2x (0.75 ... 4 mm<sup>2</sup>)</p> <p>2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</p> <p>2x (20 ... 16), 2x (18 ... 14), 1x 12</p>

#### Certificates/approvals:

<b>General Product Approval</b>				<b>Functional Safety / Safety of Machinery</b>	<b>Declaration of Conformity</b>
				<a href="#">Type Examination</a>	
CCC	CSA		UL		EG-Konf.
<b>Test Certificates</b>	<b>Shipping Approval</b>				
<a href="#">Special Test Certificate</a>					
	ABS	GL	RMRS		
<b>other</b>					
<a href="#">Confirmation</a>	<a href="#">other</a>	<a href="#">Environmental Confirmations</a>			

#### 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:

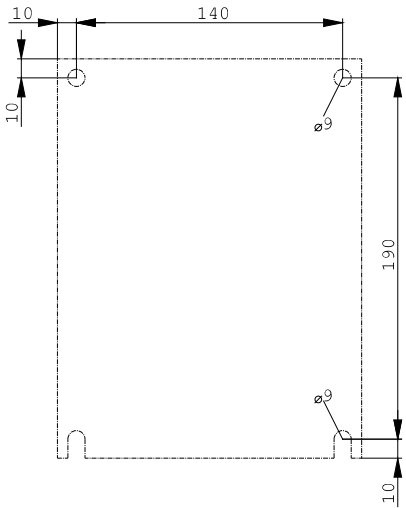
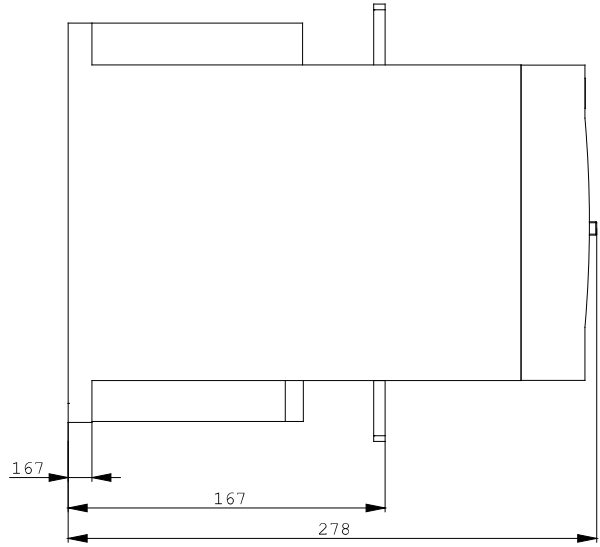
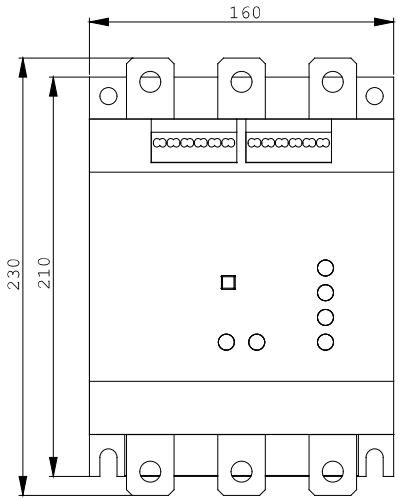
<http://www.siemens.com/cax>

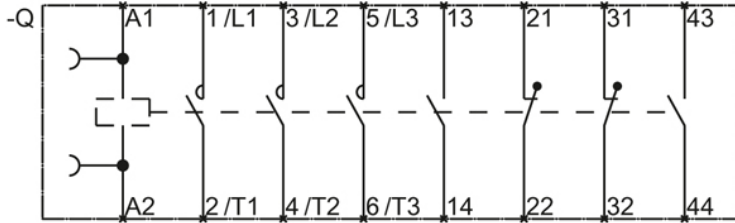
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WWW/view/en/3RT1055-6LA06/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1055-6LA06](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1055-6LA06)





last change:

Aug 4, 2014