

FIXED-MOUNT NON-AUT. CIRCUIT-B. 3-POLE, SIZE II, IEC IN=2500A TO 690V, AC50/60HZ ICU=100KA AT 500V REAR CONNECTION HORIZONTAL



Model		
product brandname		SENTRON
Product designation		ACB
Design of the operating mechanism		Pushbutton
Type of the driving mechanism		Manual operating mechanism with mechanical closing
Type of the driving mechanism / motor drive		No
Design of the overcurrent release		without

General technical data		
Number of poles		3
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1225
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
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<b>Protection class IP</b>		IP41
<b>Protective function of the overcurrent release</b>		without
<b>Dissipation</b>		
<b>Power loss [W]</b>		
<ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	W	90
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	W	270
<b>Electricity</b>		
Continuous current / rated value	A	2 500
<b>Short-time current resistance (I<sub>cw</sub>)</b>		
<ul style="list-style-type: none"> <li>• limited to 0.5 s / rated value</li> </ul>	kA	100
<ul style="list-style-type: none"> <li>• limited to 1 s / rated value</li> </ul>	kA	85
<ul style="list-style-type: none"> <li>• limited to 2 s / rated value</li> </ul>	kA	65
<ul style="list-style-type: none"> <li>• limited to 3 s / rated value</li> </ul>	kA	50
<b>Main circuit</b>		
<b>Operating frequency</b>		
<ul style="list-style-type: none"> <li>• 1 / rated value</li> </ul>	Hz	50
<ul style="list-style-type: none"> <li>• 2 / rated value</li> </ul>	Hz	60
<b>Operating voltage</b>		
<ul style="list-style-type: none"> <li>• at AC / at 50/60 Hz / rated value</li> </ul>	V	690
<b>Operating current</b>		
<ul style="list-style-type: none"> <li>• at 40 °C / rated value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>• at 55 °C / rated value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>• at 60 °C / rated value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>• at 65 °C / rated value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>• at 70 °C / rated value</li> </ul>	A	2 280
<b>Suitability</b>		
<b>Suitability for use</b>		Contact unit without release
<b>Product details</b>		
<b>Product component</b>		
<ul style="list-style-type: none"> <li>• Trip indicator</li> </ul>		No
<ul style="list-style-type: none"> <li>• Voltage trigger</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• undervoltage release</li> </ul>		Yes
Product extension / optional / motor drive		Yes
<b>Product function</b>		
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• Ground fault protection</li> </ul>		No
<b>Display and operation</b>		

Display version		without display
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### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
• at 1000/1150 V / rated value	kA	50

### Connections

Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection

### Mechanical Design





<b>Height</b>	mm	440.5
<b>Width</b>	mm	460
<b>Depth</b>	mm	337
<b>Mounting type</b>		fixed mounting






### Environmental conditions

<b>Ambient temperature</b>		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

### Certificates

<b>Equipment marking</b>		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

General Product Approval		Declaration of Conformity	Test Certificates		Shipping Approval
 CCC	 VDE	 EG-Konf.	<a href="#">sonstig</a>	<a href="#">spezielle Prüfbescheinigungen</a> <a href="#">n</a>	 ABS

Shipping Approval					other
 BUREAU VERITAS	 GL	 LRS	 PRS	 RMRS	<a href="#">Umweltbestätigung</a>

other
<a href="#">sonstig</a>

#### Further information

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

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-4AA32-1GN2-Z N61+S33+T40>

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

<http://support.automation.siemens.com/WW/view/en/3WL1225-4AA32-1GN2-Z N61+S33+T40/all>

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

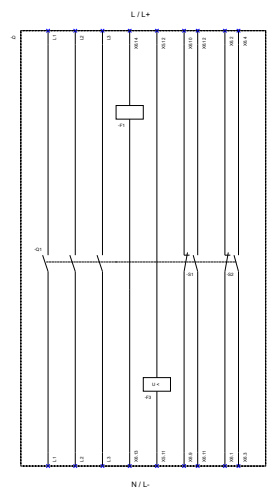
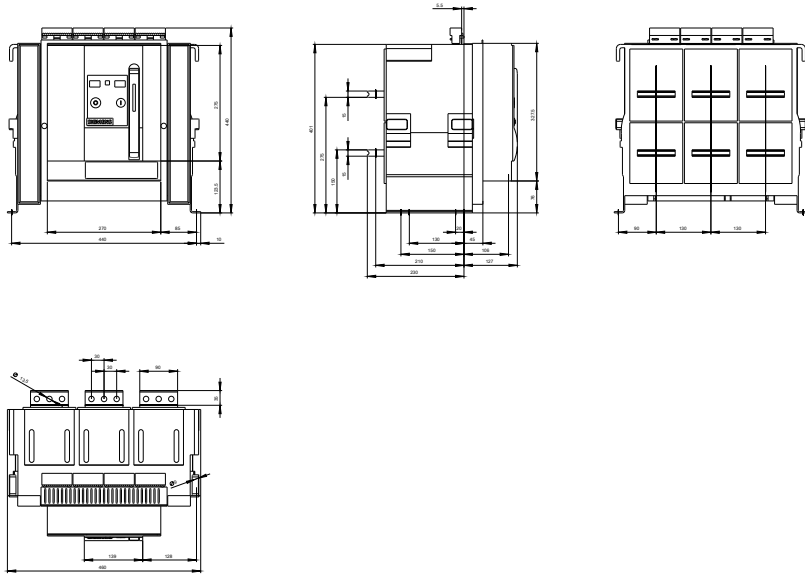
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1225-4AA32-1GN2-Z N61+S33+T40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-4AA32-1GN2-Z N61+S33+T40)

##### CAX-Online-Generator

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

##### Tender specifications

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



F1 (12V Auxiliary release / Entfer-Hilfskontakt)  
 F2 (24V Auxiliary release / Entfernsparungsleistung) S1 - S8 (Auxiliary switch / Hilfskontakt)

**last modified:**

04/11/2017