

Draw-out circuit breaker Without guide frame 3-pole,  
Size 2, IEC In=2500 A to 690 V, 50/60 Hz AC Icu=66 kA  
at 500 V Rear horizontal connection



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the auxiliary switch		6 NO + 2 NC
Design of the operating mechanism		Pushbutton
Type of the driving mechanism		Manual/motorized operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive		Yes
Design of the overcurrent release		ETU25B

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 $U_i$	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI

Dissipation		
<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	173.3
<ul style="list-style-type: none"> <li>maximum</li> </ul>	W	520

Electricity		
Operating current / at 45 °C / rated value	A	2 500
Continuous current / rated value	A	2 500
<b>Adjustable pick-up value current</b>		
<ul style="list-style-type: none"> <li>of the current-dependent overload release / Full-scale value</li> </ul>	A	2 500
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	A	50 000
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / Full-scale value</li> </ul>	A	50 000
<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	66
<ul style="list-style-type: none"> <li>limited to 2 s / rated value</li> </ul>	kA	39
<ul style="list-style-type: none"> <li>limited to 3 s / rated value</li> </ul>	kA	32

### Main circuit

<b>Operating frequency</b>		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
<b>Operating voltage</b>		
• at AC / at 50/60 Hz / rated value	V	690
<b>Operating current</b>		
• at 40 °C / rated value	A	2 500
• at 50 °C / rated value	A	2 500
• at 55 °C / rated value	A	2 500
• at 60 °C / rated value	A	2 500
• at 65 °C / rated value	A	2 500
• at 70 °C / rated value	A	2 280

### Auxiliary circuit

<b>Number of NC contacts / for auxiliary contacts</b>		2
<b>Number of NO contacts / for auxiliary contacts</b>		6

### Suitability

<b>Suitability for use</b>		Plant / motor protection
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### Adjustable parameters

<b>Adjustable pick-up value current / of the current-dependent overload release / initial value</b>	A	1 000
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### Product details

<b>Product component</b>		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
Product extension / optional / motor drive		No

### Product function

<b>Product function</b>		
• Ground fault protection		No
• Phase failure detection		Yes

### Display and operation

<b>Display version</b>		without display
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### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• at 415 V / rated value	kA	66

<ul style="list-style-type: none"> <li>• at 500 V / rated value</li> </ul>	kA	66
<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	kA	50
<b>Short-time current resistance (I<sub>cw</sub>) / limited to 1 s / rated value</b>	kA	55

### Connections

Arrangement of electrical connectors / for main current circuit		without guide frame
Type of electrical connection / for main current circuit		Blade contacts

### Mechanical Design





<b>Height</b>	mm	411.5
<b>Width</b>	mm	451
<b>Depth</b>	mm	337
<b>Mounting type</b>		drawer unit






### Environmental conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul>	°C	-20
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	°C	70
<ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>	°C	-40
<ul style="list-style-type: none"> <li>• during storage / maximum</li> </ul>	°C	70

### Certificates

<b>Equipment marking</b>		
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>		Q
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>		Q

General Product Approval		Declaration of Conformity	Test Certificates		Shipping Approval
			<a href="#">Special Test Certificate</a>	<a href="#">Miscellaneous</a>	
CCC	VDE	EG-Konf.			ABS

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

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

### Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2CB35-4GA7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2CB35-4GA7>

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

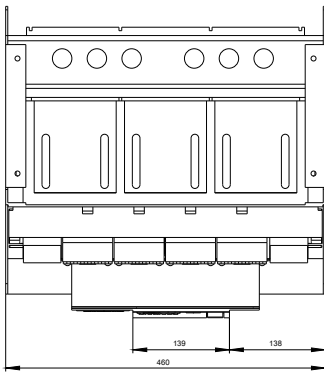
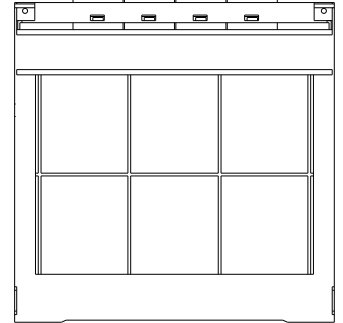
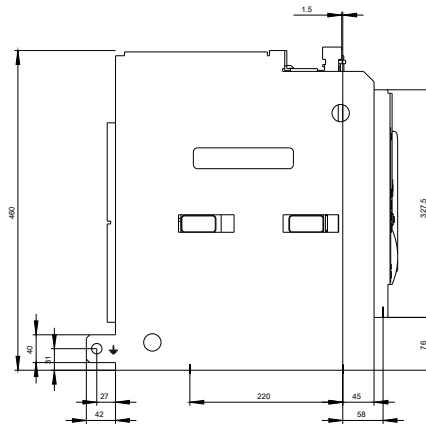
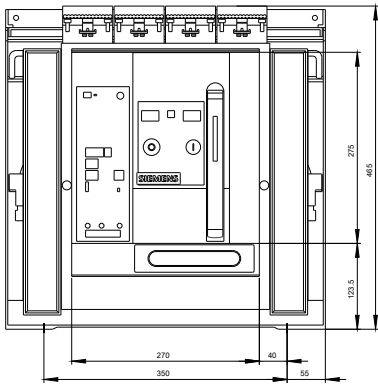
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1225-2CB35-4GA7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB35-4GA7)

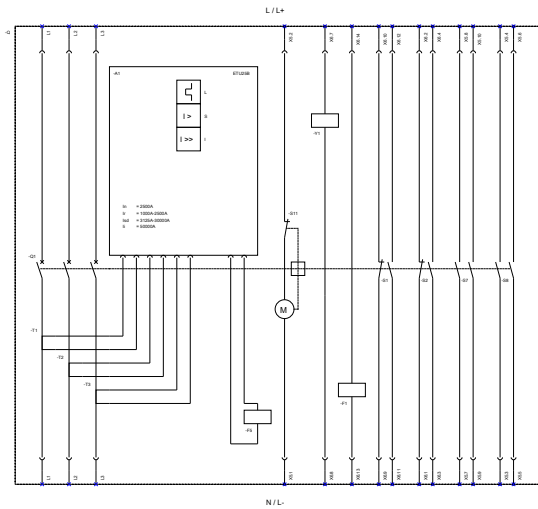
**CAX-Online-Generator**

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

**Tender specifications**

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





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11/29/2017