



WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE  
 FRAME 3-POLE, SIZE I, IEC IN=630A TO 690V,  
 AC50/60HZ ICU=55KA AT 500V REAR CONNECTION  
 HORIZONTAL

Model		
Product brand name		SENTRON
Product designation		ACB
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		ETU15B

General technical data		
Number of poles		3
Size of the circuit-breaker		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1106
Mechanical service life (switching cycles) / typical		20 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
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<b>Protection class IP</b>		IP20
<b>Protective function of the overcurrent release</b>		LI
<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	65
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	W	195
<b>Electricity</b>		
Operating current / at 45 °C / rated value	A	630
Continuous current / rated value	A	630
<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	630
<ul style="list-style-type: none"> <li>• of instantaneous short-circuit trip unit / initial value</li> </ul>	A	1 260
<ul style="list-style-type: none"> <li>• of instantaneous short-circuit trip unit / Full-scale value</li> </ul>	A	5 040
<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	55
<ul style="list-style-type: none"> <li>• limited to 2 s / rated value</li> </ul>	kA	29.5
<ul style="list-style-type: none"> <li>• limited to 3 s / rated value</li> </ul>	kA	24
<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	630
<ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul>	A	630
<ul style="list-style-type: none"> <li>• at 55 °C / rated value</li> </ul>	A	630
<ul style="list-style-type: none"> <li>• at 60 °C / rated value</li> </ul>	A	630
<ul style="list-style-type: none"> <li>• at 65 °C / rated value</li> </ul>	A	630
<ul style="list-style-type: none"> <li>• at 70 °C / rated value</li> </ul>	A	630
<b>Auxiliary circuit</b>		
<b>Number of NC contacts / for auxiliary contacts</b>		2
<b>Number of NO contacts / for auxiliary contacts</b>		2
<b>Suitability</b>		
<b>Suitability for use</b>		system protection
<b>Adjustable parameters</b>		

Adjustable pick-up value current / of the current-dependent overload release / initial value	A	315
<b>Product details</b>		
<b>Product component</b>		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
Product extension / optional / motor drive		No
<b>Product function</b>		
<b>Product function</b>		
• Ground fault protection		No
• Phase failure detection		No
<b>Display and operation</b>		
<b>Display version</b>		without display
<b>Short circuit</b>		
<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
<b>Short-time current resistance (Icw) / limited to 1 s / rated value</b>	kA	42
<b>Connections</b>		
Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection
<b>Mechanical Design</b>		
<b>Height</b>	mm	460
<b>Width</b>	mm	320
<b>Depth</b>	mm	456
<b>Mounting type</b>		drawer unit
<b>Environmental conditions</b>		
<b>Ambient temperature</b>		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40

• during storage / maximum

°C 70

## Certificates

### Equipment marking

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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### General Product Approval

### Declaration of Conformity

### Test Certificates

### Shipping Approval



CCC



VDE



EG-Konf.

[Miscellaneous](#)

[Special Test  
Certificate](#)



ABS

## Shipping Approval



GL



LRS



PRS



RMRS

## other

[Environmental  
Confirmations](#)

[Miscellaneous](#)

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-2BB36-4GA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-2BB36-4GA2>

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

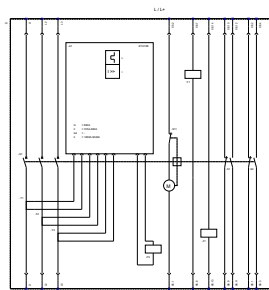
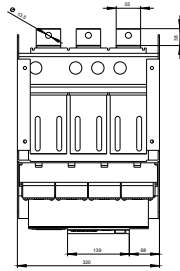
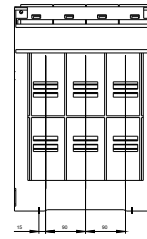
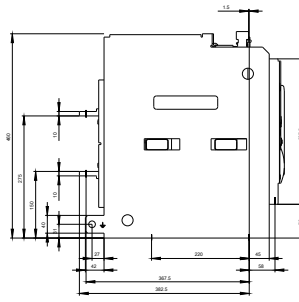
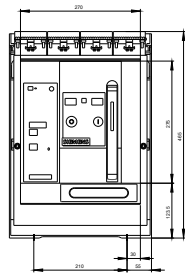
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1106-2BB36-4GA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-2BB36-4GA2)

### CAX-Online-Generator

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

### Tender specifications

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



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