

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=3200A TO 690V, AC50/60HZ ICU=66KA AT 500V FRNT.CONN. TOP/BOT. DUAL-HOLE



Model		
product brand name		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		ETU15B

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		3WL1232
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000
Insulation voltage / rated value	V	1 000

Protection class		
<b>Protection class IP</b>		IP20
<b>Protective function of the overcurrent release</b>		LI
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	136.7
<ul style="list-style-type: none"> <li>maximum</li> </ul>	W	410
Electricity		
<b>Continuous current / rated value</b>	A	3 200
<b>Adjustable response value current</b>		
<ul style="list-style-type: none"> <li>of the current-dependent overload release / Full-scale value</li> </ul>	A	3 200
<ul style="list-style-type: none"> <li>of the instantaneous short-circuit release / initial value</li> </ul>	A	6 400
<ul style="list-style-type: none"> <li>of the instantaneous short-circuit release / Full-scale value</li> </ul>	A	25 600
<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 1 s / rated value</li> </ul>	kA	55
<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>		
<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	3 200
<ul style="list-style-type: none"> <li>at 50 °C / rated value</li> </ul>	A	3 200
<ul style="list-style-type: none"> <li>at 55 °C / rated value</li> </ul>	A	3 200
<ul style="list-style-type: none"> <li>at 60 °C / rated value</li> </ul>	A	3 020
<ul style="list-style-type: none"> <li>at 65 °C / rated value</li> </ul>	A	3 020
<ul style="list-style-type: none"> <li>at 70 °C / rated value</li> </ul>	A	2 870
Auxiliary circuit		
<b>Number of NC contacts / for auxiliary contacts</b>		2
<b>Number of NO contacts / for auxiliary contacts</b>		2
Suitability		
<b>Suitability for use</b>		system protection

## Adjustable parameters

<b>Adjustable response value current / of the current-dependent overload release / initial value</b>	A	1 600
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## Product details

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

## Product function

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

## 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
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
<b>Short-circuit current making capacity (Icm)</b>		
• at 415 V / rated value	kA	145
• at 500 V / rated value	kA	145
• at 690 V / rated value	kA	105

## Connections

Arrangement of electrical connectors / for main current circuit		Main connection top front/bottom double hole
Type of electrical connection / for main current circuit		busbar connection

## Mechanical Design

<b>Height</b>	mm	512
<b>Width</b>	mm	460
<b>Depth</b>	mm	379
<b>Mounting type</b>		fixed mounting

## Environmental conditions

<b>Ambient temperature</b>		
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- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

°C	-20
°C	70
°C	-40
°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



CCC



VDE



EG-Konf.

[sonstig](#)
[spezielle Prüfbescheinigungen](#)
[n](#)

## Shipping Approval



ABS



BUREAU VERITAS



GL



LRS



PRS



RMRS

## other

[Umweltbestätigung](#)
[sonstig](#)

## Further information

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL12322BB341AA2>

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

<http://support.automation.siemens.com/WW/view/en/3WL12322BB341AA2/all>

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

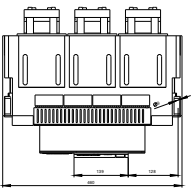
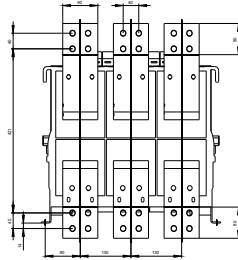
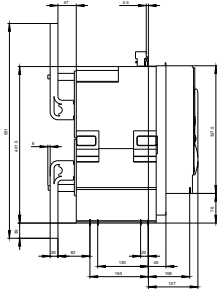
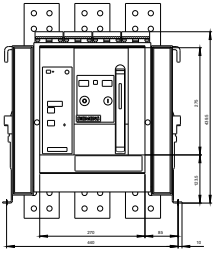
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL12322BB341AA2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL12322BB341AA2)

### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



**last modified:**

15.01.2016