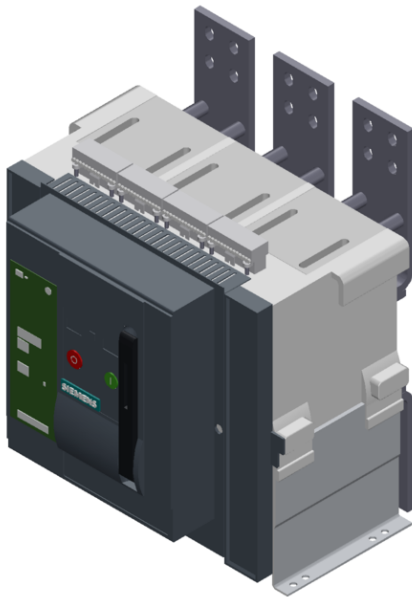


fixed-mounted circuit breaker 3-pole, size II, IEC In=1000A to 690V, AC50/60Hz Icu=100kA at 500V frnt.conn. top/bot. dual-hole  
Overcurrent release ETU 15 LI protection adjustable 0.5-1 in  
Motorized/manual operating mechanism with memory Drive motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC without 1st auxiliary release With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC C22= Ready indicator F31= EMC filter



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the auxiliary switch	2 NO + 2 NC
Design of the product	IEC 60947-2
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	2
Usage category	B
circuit-breaker / Design	3WL1

#### Voltage

Rated insulation voltage $U_i$	1 000 V
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#### Protection class

Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LI

#### Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	15 W
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#### Electricity

Operating current / at 45 °C / rated value	1 000 A
Continuous current / rated value	1 000 A
Adjustable pick-up value current	
<ul style="list-style-type: none"> <li>• of the current-dependent overload release / Full-scale value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• of instantaneous short-circuit trip unit / initial value</li> </ul>	2 000 A
<ul style="list-style-type: none"> <li>• of instantaneous short-circuit trip unit / Full-scale value</li> </ul>	8 000 A

#### Main circuit

Operating frequency	
<ul style="list-style-type: none"> <li>• 1 / rated value</li> </ul>	50 Hz
<ul style="list-style-type: none"> <li>• 2 / rated value</li> </ul>	60 Hz
Operating voltage	
<ul style="list-style-type: none"> <li>• at AC / at 50/60 Hz / rated value</li> </ul>	690 V
Operating current	
<ul style="list-style-type: none"> <li>• at 40 °C / rated value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• at 50 °C / rated value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• at 55 °C / rated value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• at 60 °C / rated value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• at 65 °C / rated value</li> </ul>	1 000 A
<ul style="list-style-type: none"> <li>• at 70 °C / rated value</li> </ul>	1 000 A

Auxiliary circuit	
Number of NC contacts / for auxiliary contacts	2
Number of NO contacts / for auxiliary contacts	2
Suitability	
Suitability for use	system protection
Adjustable parameters	
Adjustable pick-up value current / of the current-dependent overload release / initial value	500 A
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	No
• undervoltage release	Yes
Product extension / optional / motor drive	No
Product function	
Product function	
• Ground fault protection	No
• Phase failure detection	No
Display and operation	
Display version	without display
Short circuit	
Operational short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	100 kA
• at 500 V / rated value	100 kA
• at 690 V / rated value	85 kA
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	
Height	507 mm
Width	460 mm
Depth	369 mm
Mounting type	fixed mounting

## Environmental conditions

Ambient temperature

-20 ... +70 °C

-40 ... +70 °C





## Certificates

Reference code

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

Q

Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
 CCC	 VDE	 EG-Konf.	 ABS

[Special Test Certificate](#)

[Miscellaneous](#)

## Shipping Approval

other



[CCS / China Classification Society](#)

[Environmental Confirmations](#)

## other

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

## Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1210-4BB34-4AN2-Z C22+F31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1210-4BB34-4AN2-Z C22+F31>

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

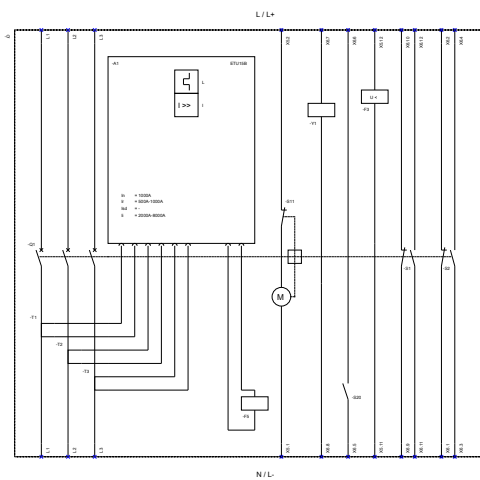
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1210-4BB34-4AN2-Z C22+F31](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1210-4BB34-4AN2-Z C22+F31)

**CAX-Online-Generator**

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

**Tender specifications**

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



1 (Closing) Totalschalter / (Überstromschutz) / (Überstromschutz, Überstromschutz)  
 811 (Thermal relay) Abschalten-Schalter, if spring is compressed / (Unterstromschutz) / (Unterstromschutz)  
 12 (Stop) Stop-Schalter / (Ausschaltknopf) / (100 Pushbutton switch) / (100 Pushbutton switch)  
 13 (Closing coil) / (Einbaufeldknopf) / (Einbaufeldknopf) / (Einbaufeldknopf)

last modified:

06/29/2019