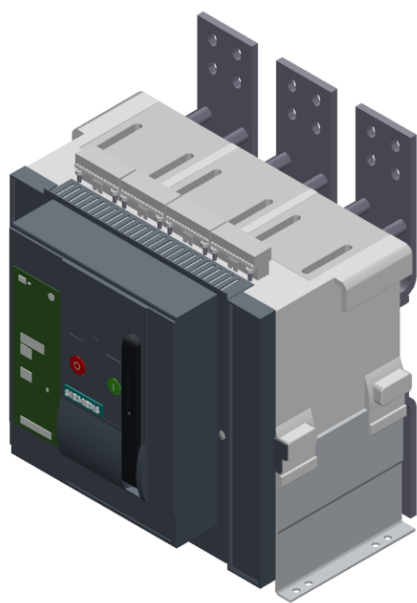


fixed-mounted circuit breaker 3-pole, size II, IEC In=1250A to 690V, AC50/60Hz Icu=100kA at 500V frnt.conn. top/bot. dual-hole
Overcurrent release ETU 15 LI protection adjustable 0.5-1 in
Motorized/manual operating mechanism with spring charging motor
AC 50/60 Hz 208-240 V or 220-250 V DC Activation 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	26.7 W
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Electricity

Operating current / at 45 °C / rated value	1 250 A
Continuous current / rated value	1 250 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	1 250 A
• of instantaneous short-circuit trip unit / initial value	2 500 A
• of instantaneous short-circuit trip unit / Full-scale value	10 000 A

Main circuit

Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Operating current	
• at 40 °C / rated value	1 250 A
• at 50 °C / rated value	1 250 A
• at 55 °C / rated value	1 250 A
• at 60 °C / rated value	1 250 A
• at 65 °C / rated value	1 250 A
• at 70 °C / rated value	1 210 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	625 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

[Miscellaneous](#)

[Special Test Certificate](#)

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=3WL1212-4BB34-4AN2-Z C22+F31>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-4BB34-4AN2-Z C22+F31>

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

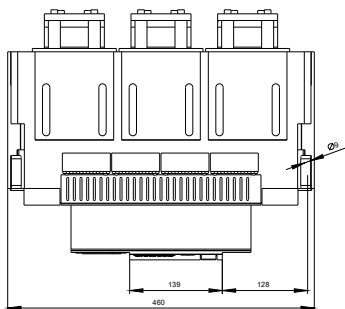
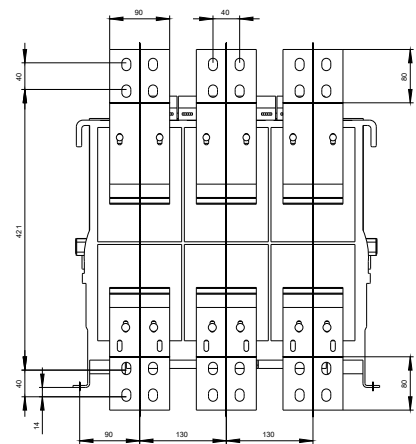
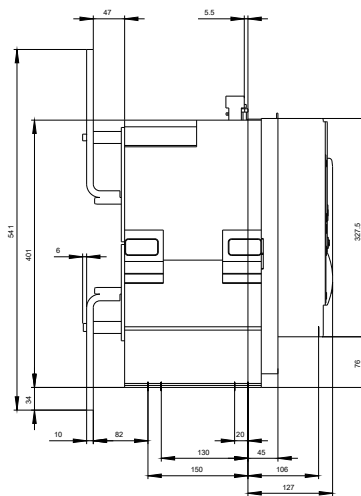
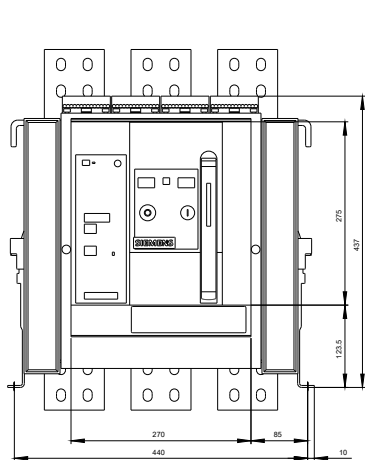
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1212-4BB34-4AN2-Z C22+F31

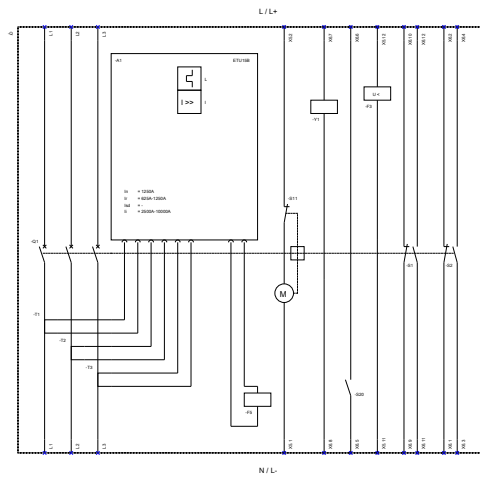
CAX-Online-Generator

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

Tender specifications

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





L: Long Time Delay / Überlastschutz / (Protectors: Kurzschlussschutz, unterliegen)
 S1: Short-circuit release / Kurzschlussschutz, F3: Under-voltage release / Unterspannungsschutz
 F4: Ready to close signaling switch / Einschaltbereitschaftsschalter
 F5: Closing lock / Einschaltverriegelung

last modified:

12/24/2019