

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 25 LSI protection adjustable 0.4-1 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 U01= with label for export to USA



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	ETU25B

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

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

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

Electricity	
Operating current / at 45 °C / rated value	1 000 A
Continuous current / rated value	1 000 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	1 000 A
• of instantaneous short-circuit trip unit / initial value	20 000 A
• of instantaneous short-circuit trip unit / Full-scale value	20 000 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	1 000 A
• at 50 °C / rated value	1 000 A
• at 55 °C / rated value	1 000 A
• at 60 °C / rated value	1 000 A
• at 65 °C / rated value	1 000 A
• at 70 °C / rated value	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	Plant / motor protection
Adjustable parameters	
Adjustable pick-up value current / of the current-dependent overload release / initial value	400 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	Yes
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

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

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval

other



[Environmental Confirmations](#)

[Manufacturer Declaration](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1210-4CB34-4AN2-Z C22+U01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1210-4CB34-4AN2-Z C22+U01>

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

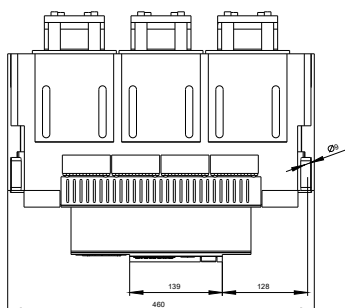
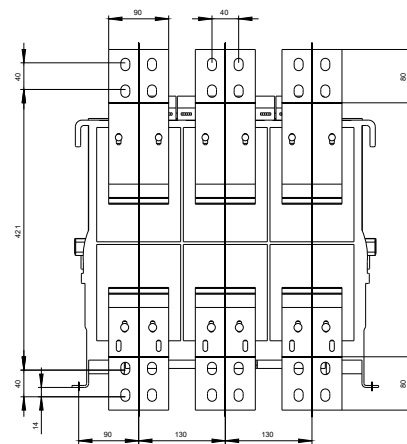
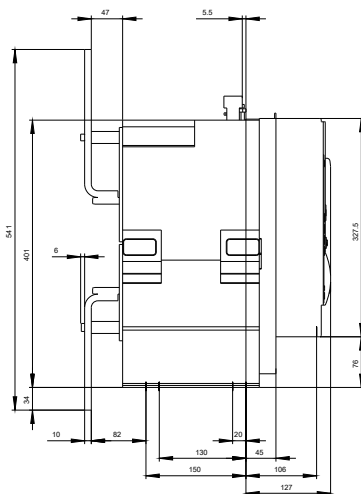
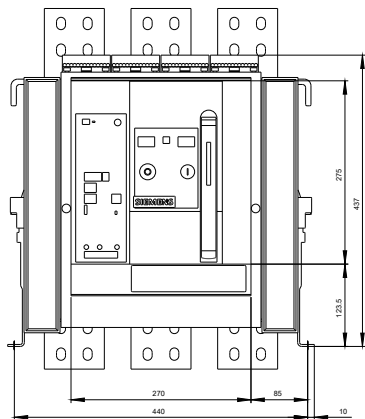
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1210-4CB34-4AN2-Z C22+U01

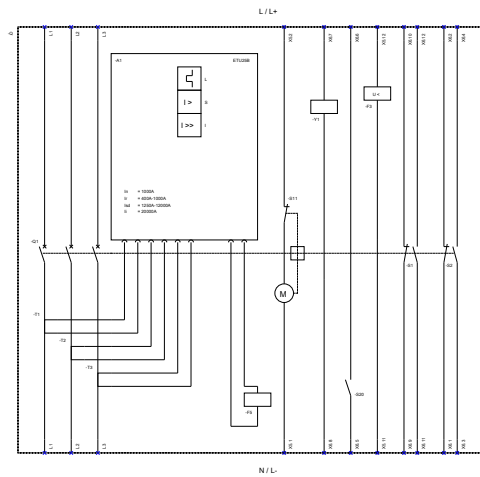
CAX-Online-Generator

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

Tender specifications

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





1: Long Time Delay / (Zeitverzögerung) 2: Short Time Delay / (Kurzzeitverzögerung) 3: Instantaneous / (Kurzzeitverzögerung, unverzögert)
 R1: Thermal motor shutdown switch / (Kipping to thermal) / (Temperaturmotorabschalter, wenn Fehler gemeldet) R2: Under-voltage release / (Unterspannungsabschalter)
 R3: (Release for trip unit / (Auslöseverriegelung) R4: (Auxiliary switch / (Hilfsschalter) R5: (Ready to close signaling switch / (Klemmschaltrelaiskontaktabschalter)
 *T: (Closing unit / (Klemmschalter)

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