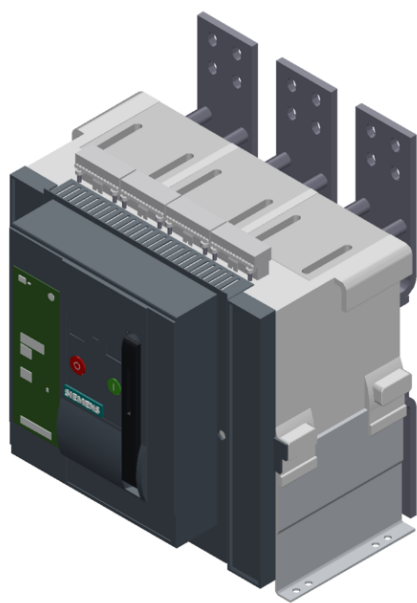


fixed-mounted circuit breaker 3-pole, size II, IEC In=1000A to 690V, AC50/60Hz Icu=100kA at 500V frnt.conn. top/bot. dual-hole
Overcurrent release ETU 15 LI protection adjustable 0.5-1 in
Motorized/manual operating mechanism with memory Drive motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 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 C01= mechanical switching cycle counter 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
Electrical endurance (switching cycles) / typical	15 000
Usage category	B
circuit-breaker / Design	3WL1
Mechanical service life (switching cycles) / typical	15 000

Voltage

Rated insulation voltage Ui	1 000 V
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Protection class

Protection class IP	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	
• of the current-dependent overload release / Full-scale value	1 000 A
• of instantaneous short-circuit trip unit / initial value	2 000 A
• of instantaneous short-circuit trip unit / Full-scale value	8 000 A
Short-time current resistance (Icw)	
• limited to 0.5 s / rated value	100 kA
• limited to 1 s / rated value	85 kA
• limited to 2 s / rated value	65 kA
• limited to 3 s / rated value	50 kA

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	system protection
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Adjustable parameters

Adjustable pick-up value current / of the current-dependent overload release / initial value	500 A
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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
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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
• at 1000/1150 V / rated value	50 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	Q
• acc. to DIN EN 81346-2	Q

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

Shipping Approval	other
 BUREAU VERITAS	 LRS

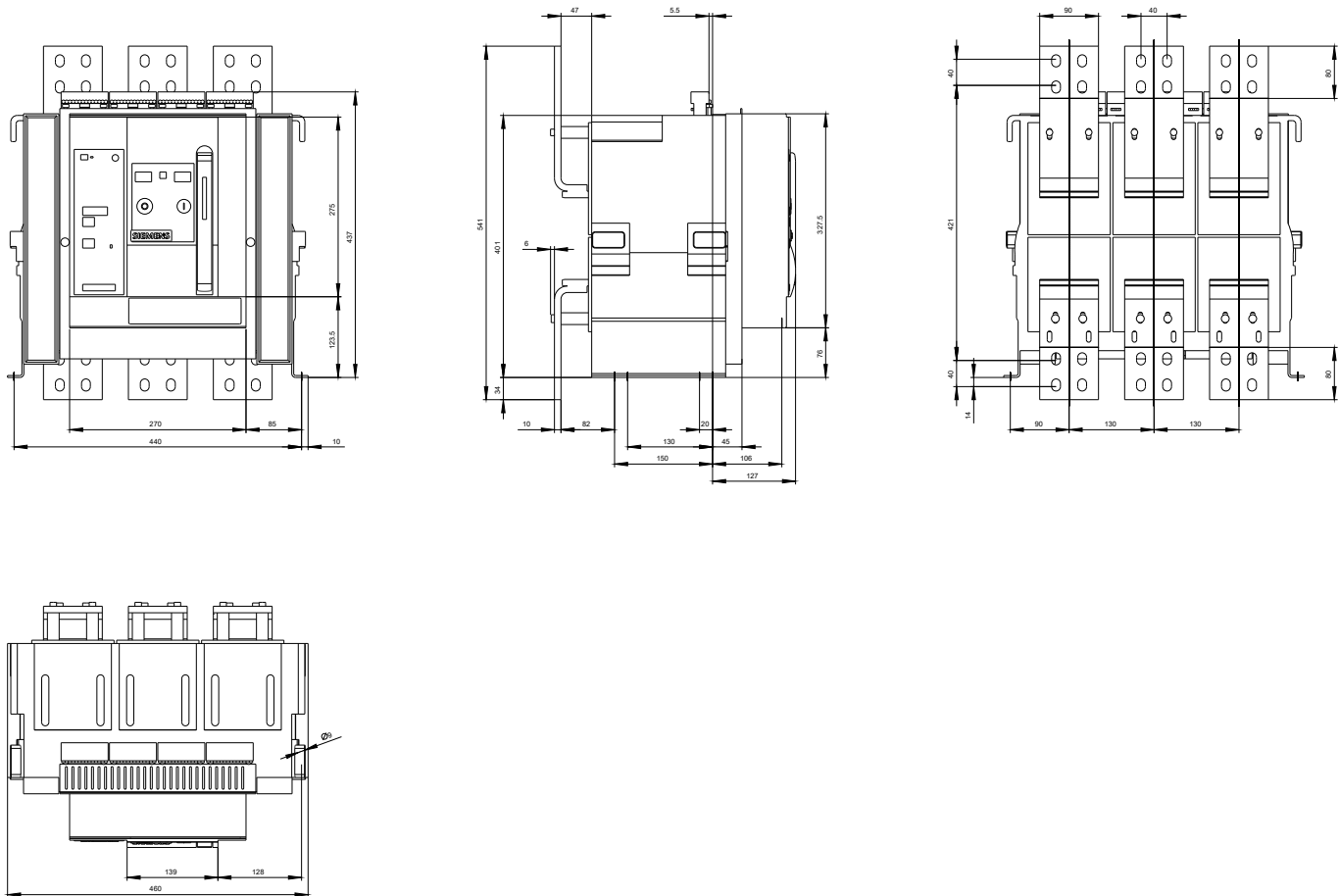
other		
Manufacturer Declaration	Confirmation	Miscellaneous

Further information

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1210-4BB34-4AN2-Z C01+C22+F31>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1210-4BB34-4AN2-Z C01+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 C01+C22+F31



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06/29/2019