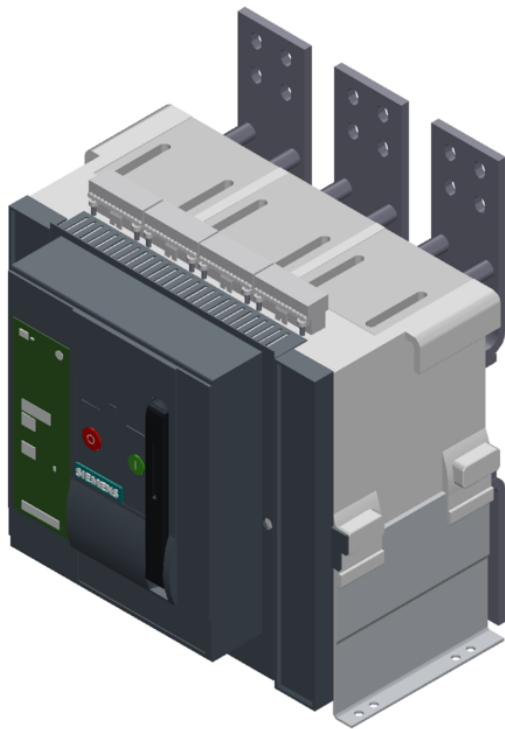


fixed-mounted circuit breaker 3-pole, size II, IEC  
In=1250A to 690V, AC50/60Hz Icu=100kA at 500V  
frnt.conn. top/bot. dual-hole Overcurrent release ETU 15  
LI protection adjustable 0.5-1 in Motorized/manual  
operating mechanism with memory Drive motor AC  
50/60 Hz 208-240 V or 220-250 V DC Activation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



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the product		IEC 60947-2
Design of the auxiliary switch		2 NO + 2 NC
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 $U_i$	V	1 000

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	W	26.7

Electricity		
Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	1 250
• of instantaneous short-circuit trip unit / initial value	A	2 500
• of instantaneous short-circuit trip unit / Full-scale value	A	10 000
Short-time current resistance (I <sub>cw</sub> )		
• limited to 0.5 s / rated value	kA	100
• limited to 1 s / rated value	kA	85
• limited to 2 s / rated value	kA	65
• limited to 3 s / rated value	kA	50

## Main circuit

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

### 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	A	625
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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	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	100

- at 500 V / rated value
- at 690 V / rated value
- at 1000/1150 V / rated value

kA	100
kA	85
kA	50

### 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	mm	507
Width	mm	460
Depth	mm	369
Mounting type		fixed mounting






### Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	70

### 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.	<a href="#">Miscellaneous</a> <a href="#">Special Test Certificate</a>  ABS

Shipping Approval	other
 BUREAU VERITAS	 GL
 LRS	 PRS
 RMRS	<a href="#">Environmental Confirmations</a>

other
<a href="#">Miscellaneous</a>

## Further information

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3WL1212-4BB34-4AN2>

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

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

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

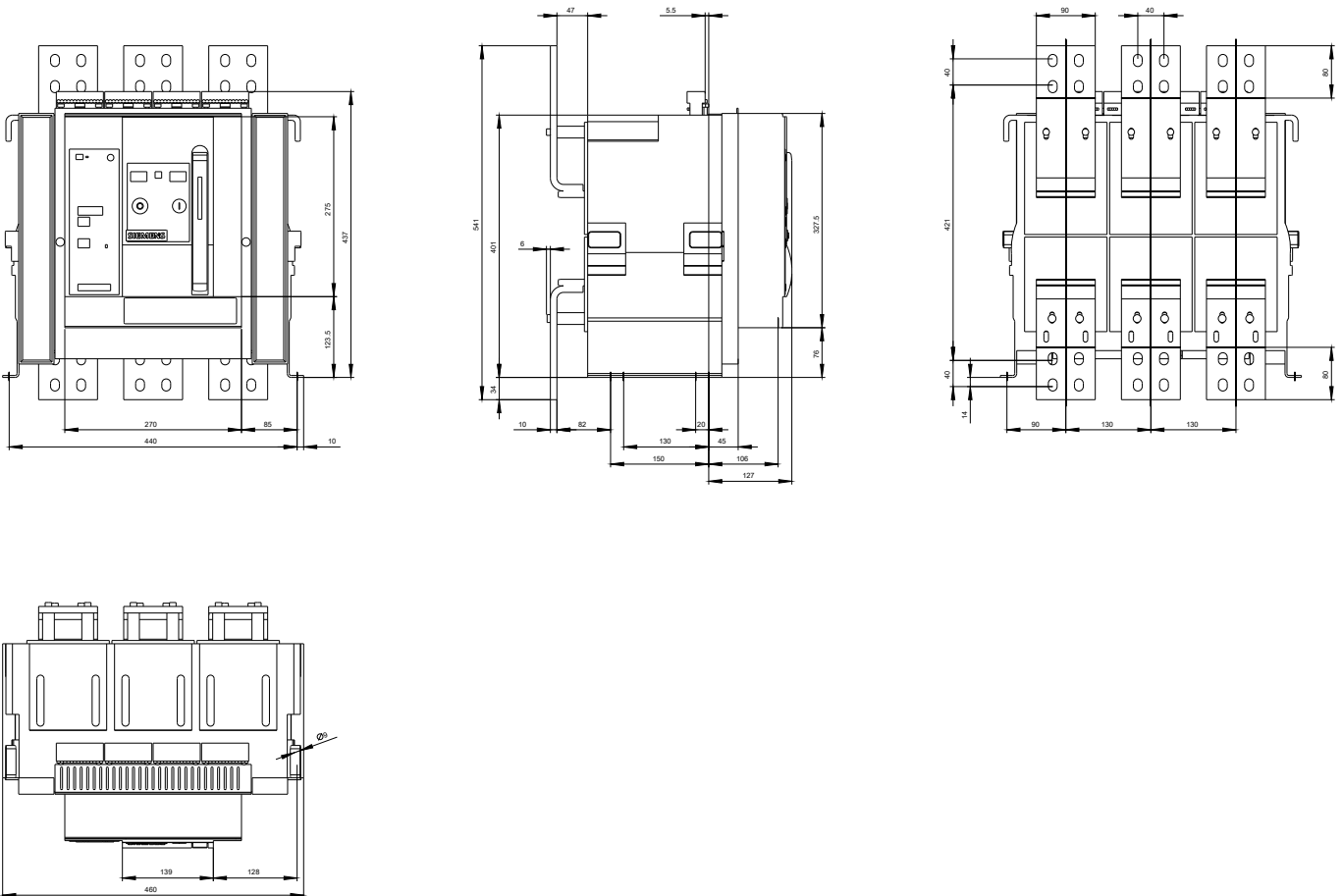
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=3WL1212-4BB34-4AN2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3WL1212-4BB34-4AN2)

### CAX-Online-Generator

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

### Tender specifications

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





**last modified:**

11/19/2018