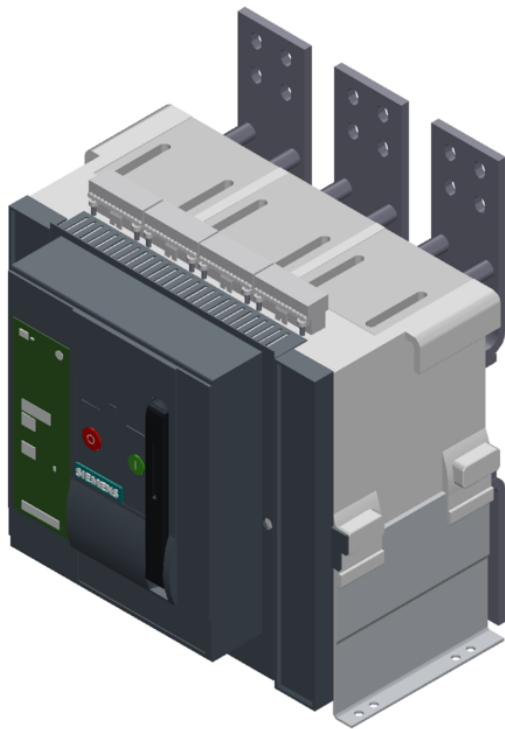


FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=1600A TO 690V, AC50/60HZ ICU=100KA AT 500V FRNT.CONN. TOP/BOT. DUAL-HOLE



Model		
Product brand name		SETRON
Product designation		ACB
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		3WL1216
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LI

Dissipation		
<b>Power loss [W]</b>		
<ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	W	28.3
<ul style="list-style-type: none"> <li>maximum</li> </ul>	W	85

Electricity		
Operating current / at 45 °C / rated value	A	1 600
Continuous current / rated value	A	1 600
<b>Adjustable pick-up value current</b>		
<ul style="list-style-type: none"> <li>of the current-dependent overload release / Full-scale value</li> </ul>	A	1 600
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	A	3 200
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / Full-scale value</li> </ul>	A	12 800
<b>Short-time current resistance (Icw)</b>		
<ul style="list-style-type: none"> <li>limited to 0.5 s / rated value</li> </ul>	kA	100
<ul style="list-style-type: none"> <li>limited to 2 s / rated value</li> </ul>	kA	65
<ul style="list-style-type: none"> <li>limited to 3 s / rated value</li> </ul>	kA	50

### Main circuit

<b>Operating frequency</b>		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
<b>Operating voltage</b>		
• at AC / at 50/60 Hz / rated value	V	690
<b>Operating current</b>		
• at 40 °C / rated value	A	1 600
• at 50 °C / rated value	A	1 600
• at 55 °C / rated value	A	1 600
• at 60 °C / rated value	A	1 600
• at 65 °C / rated value	A	1 600
• at 70 °C / rated value	A	1 600

#### Auxiliary circuit

<b>Number of NC contacts / for auxiliary contacts</b>		2
<b>Number of NO contacts / for auxiliary contacts</b>		2

#### Suitability

<b>Suitability for use</b>		system protection
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#### Adjustable parameters

<b>Adjustable pick-up value current / of the current-dependent overload release / initial value</b>	A	800
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#### Product details

<b>Product component</b>		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		Yes
Product extension / optional / motor drive		No

#### Product function

<b>Product function</b>		
• Ground fault protection		No
• Phase failure detection		No

#### Display and operation

<b>Display version</b>		without display
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#### Short circuit

<b>Operational short-circuit current breaking capacity (Ics)</b>		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
<b>Maximum short-circuit current breaking capacity (Icu)</b>		
• 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
<b>Short-time current resistance (I<sub>cw</sub>) / limited to 1 s / rated value</b>	kA 85

### 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





<b>Height</b>	mm	507
<b>Width</b>	mm	460
<b>Depth</b>	mm	369
<b>Mounting type</b>		fixed mounting






### Environmental conditions

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

### Certificates

<b>Equipment marking</b>		
• 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?mlfb=3WL1216-4BB34-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-4BB34-4AN2>

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

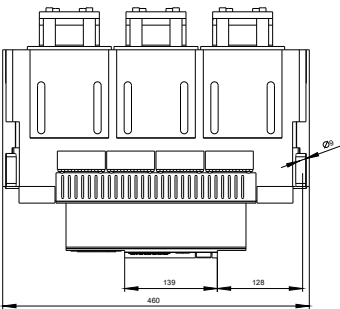
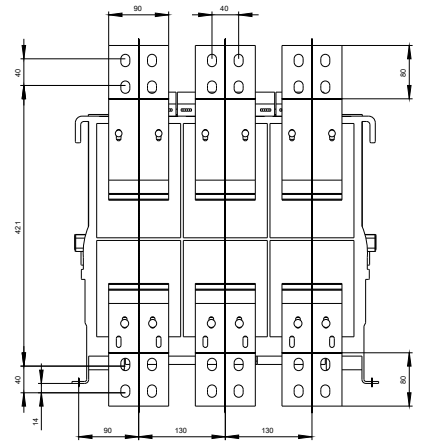
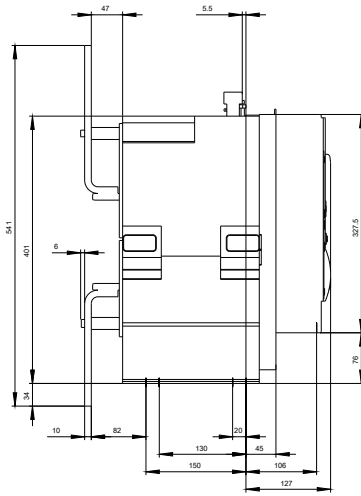
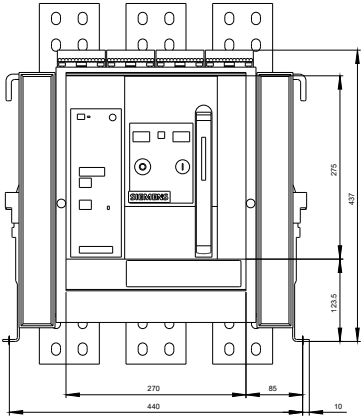
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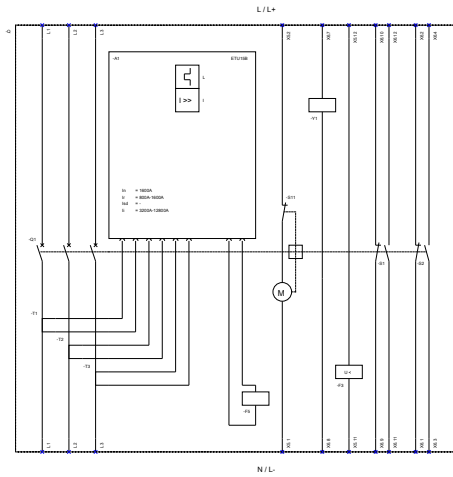
##### CAX-Online-Generator

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

##### Tender specifications

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





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 R11: Interne Modulare Schaltung, wenn die Spring-Abtrennung / interne Schutzschaltung, wenn Feder gespart.  
 F8: Abtrennung für Top-Unit / Auslöseorgan. R1: 1.5A (Polarität nicht relevant). F1: (Zwang über Abschaltorgan).

**last modified:**

11/10/2017