

fixed-mounted circuit breaker 3-pole, size I, IEC In=630A to 690V, AC50/60Hz Icu=66kA 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

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	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	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
protection function of the overcurrent release	LI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	33.3 W
• maximum	100 W
Current	
operational current	
• at 40 °C / rated value	630 A
• at 45 °C / rated value	630 A
• at 50 °C / rated value	630 A
• at 55 °C / rated value	630 A
• at 60 °C / rated value	630 A
• at 65 °C / rated value	630 A
• at 70 °C / rated value	630 A
continuous current / rated value / maximum	630 A
continuous current / rated value	630 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	630 A
• of instantaneous short-circuit trip unit / minimum	1 260 A
• of instantaneous short-circuit trip unit / maximum	5 040 A
Main circuit	
operating frequency	

<ul style="list-style-type: none"> <li>• 1 / rated value</li> <li>• 2 / rated value</li> </ul>	50 Hz		
	60 Hz		
<b>Auxiliary circuit</b>			
number of NC contacts / for auxiliary contacts	2		
number of NO contacts / for auxiliary contacts	2		
<b>Suitability</b>			
suitability for use	system protection		
<b>Adjustable parameters</b>			
adjustable current response value current / of the current-dependent overload release / initial value	315 A		
<b>Product details</b>			
product component <ul style="list-style-type: none"> <li>• trip indicator</li> <li>• voltage trigger</li> <li>• undervoltage release</li> </ul>	Yes No Yes		
design of the auxiliary switch	2 NO + 2 NC		
product extension / optional / motor drive	No		
<b>Product function</b>			
product function <ul style="list-style-type: none"> <li>• grounding protection</li> <li>• phase failure detection</li> </ul>	No No		
<b>Display and operation</b>			
display version	without display		
<b>Short circuit</b>			
breaking capacity operating short-circuit current (Ics) <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	66 kA 66 kA 50 kA		
breaking capacity maximum short-circuit current (Icu) <ul style="list-style-type: none"> <li>• at 415 V / rated value</li> <li>• at 500 V / rated value</li> <li>• at 690 V / rated value</li> </ul>	66 kA 66 kA 50 kA		
<b>Connections</b>			
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		
<b>Mechanical Design</b>			
height	541 mm		
width	320 mm		
depth	369 mm		
fastening method	fixed mounting		
<b>Environmental conditions</b>			
ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-20 °C 70 °C		
ambient temperature / during storage <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	-40 °C 70 °C		
<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>



[UK Declaration of Conformity](#)

[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



## Marine / Shipping

other

[CCS / China Classification Society](#)



[Miscellaneous](#)

[Environmental Confirmations](#)

[Confirmation](#)

[Miscellaneous](#)

## Dangerous Good

[Transport Information](#)

## Further information

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-3BB34-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3BB34-4AN2>

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

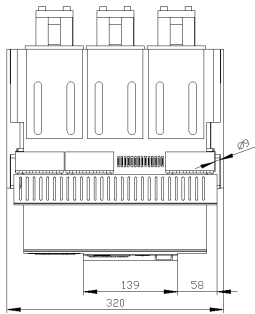
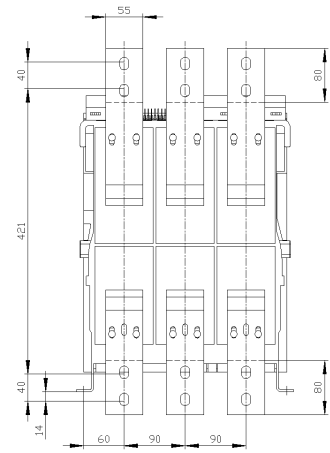
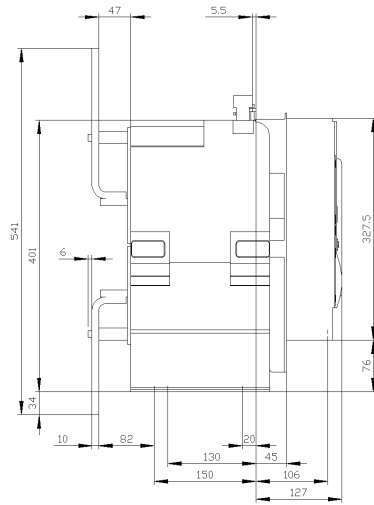
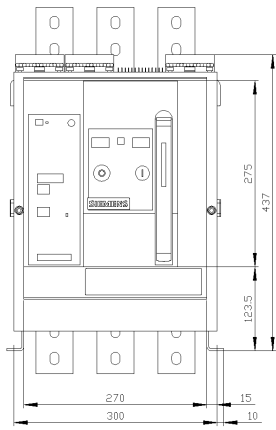
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1106-3BB34-4AN2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3BB34-4AN2)

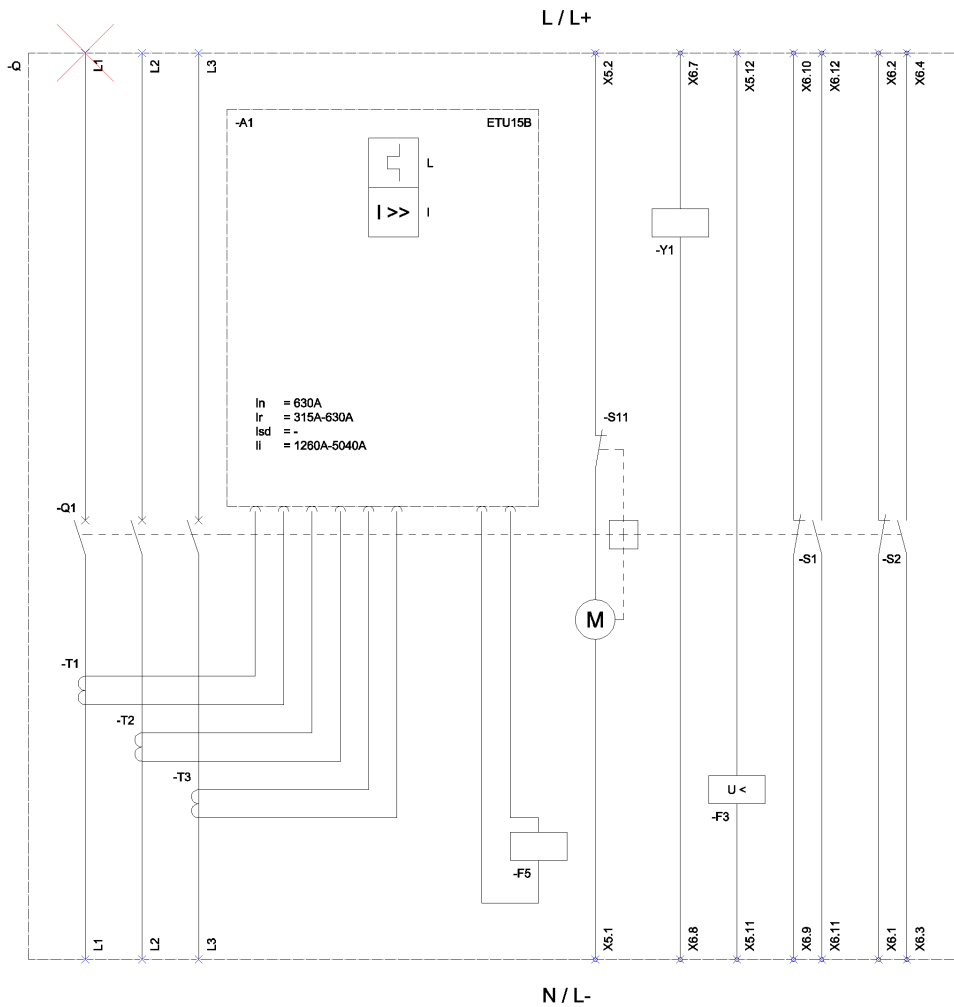
**CAX-Online-Generator**

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

**Tender specifications**

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





L (Long Time Delay / Überlastschutz); I (Instantaneous / Kurzschlusschutz, unverzögert);  
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F3 (Undervoltage release / Unterspannungsauslöser);  
 F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

11/11/2021

