

WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
FRAME 3-POLE, SIZE I, IEC IN=630A TO 690V,
AC50/60HZ ICU=66KA AT 500V W. CONNECTION
FLANGE



Model		
Product brand name		SENTRON
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		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1106
Mechanical service life (switching cycles) / typical		20 000

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	65

Electricity		
Operating current / at 45 °C / rated value	A	630
Continuous current / rated value	A	630
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	630
• of instantaneous short-circuit trip unit / initial value	A	1 260
• of instantaneous short-circuit trip unit / Full-scale value	A	5 040
Short-time current resistance (Icw)		
• limited to 0.5 s / rated value	kA	66
• limited to 2 s / rated value	kA	35
• limited to 3 s / rated value	kA	29

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	630
• at 50 °C / rated value	A	630
• at 55 °C / rated value	A	630
• at 60 °C / rated value	A	630
• at 65 °C / rated value	A	630
• at 70 °C / rated value	A	630

Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		2
Number of NO contacts / for auxiliary contacts		2

Suitability		
Suitability for use		system protection

Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	315

Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
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

Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50

Short-time current resistance (Icw) / limited to 1 s / rated value	kA	50
--	----	----

Connections

Arrangement of electrical connectors / for main current circuit		Rear connection flange
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	460
Width	mm	320
Depth	mm	429.5
Mounting type		drawer unit

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
--------------------------	---------------------------	-------------------



[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval



Shipping Approval	other
-------------------	-------



[Environmental Confirmations](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3WL1106-3BB38-5FA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3BB38-5FA2>

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

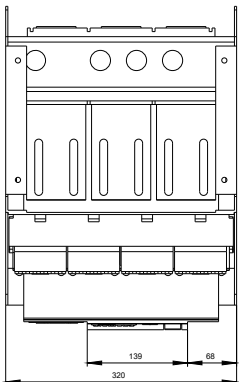
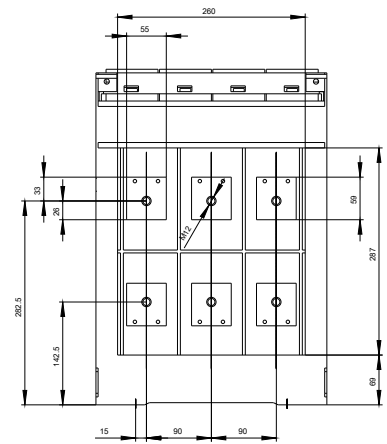
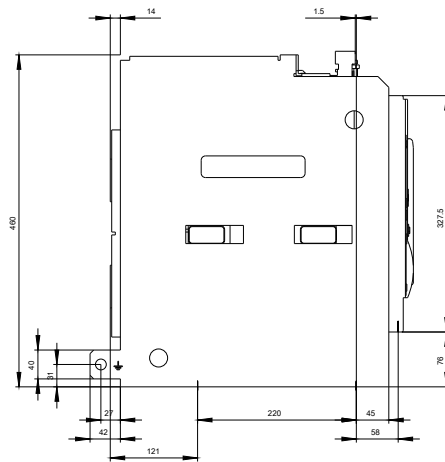
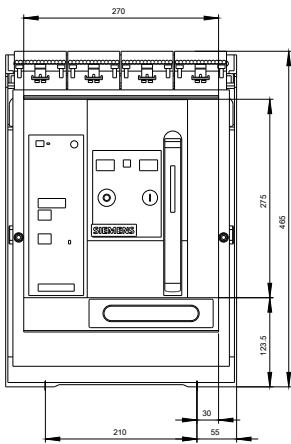
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3WL1106-3BB38-5FA2

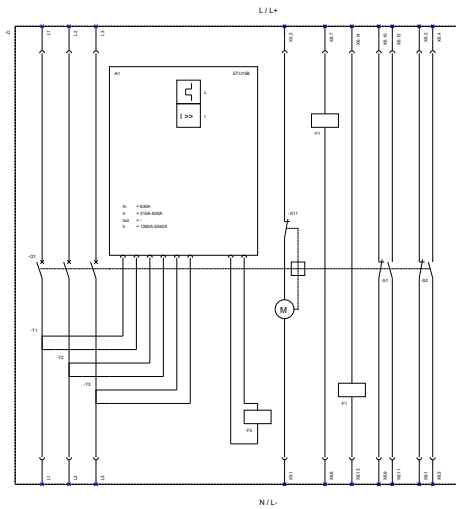
CAX-Online-Generator

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

Tender specifications

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





L (Lüftung Trier Delay / Überlastschutz) / (Erhöhter Auslösestrom / Kurzschlussschutz, unverzögert)
 S1 (Erhöhter Auslösestrom / Auslösestrom), F1 (1/4 auxiliary release / Erhöhter Hilfsauslöser)
 F2 (Auslöser für trip unit / Auslösestrom), S1 - S2 (Auxiliary switch / Hilfsauslöser), *1 (Closing coil / Einraststromlager)

last modified:

04/12/2018