

withdrawable circuit breaker without guide frame 3-pole, size I, IEC
In=800A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal
Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground
fault/N protection integrated With manual operating mechanism with
storage with mechanical request With 1st auxiliary release Shunt release
"F", F1 50/60 Hz 110 V AC/110 V DC, 100% on-load factor without 2nd
auxiliary release 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 operating mechanism with mechanical closing
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU27B
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	LSING
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	65 W
• maximum	195 W
Current	
operational current	
• at 40 °C / rated value	800 A
• at 45 °C / rated value	800 A
• at 50 °C / rated value	800 A
• at 55 °C / rated value	800 A
• at 60 °C / rated value	800 A
• at 65 °C / rated value	800 A
• at 70 °C / rated value	800 A
continuous current / rated value / maximum	800 A
continuous current / rated value	800 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	800 A
• of instantaneous short-circuit trip unit / minimum	16 000 A
• of instantaneous short-circuit trip unit / maximum	16 000 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz

● 2 / rated value		60 Hz		
Auxiliary circuit				
number of NC contacts / for auxiliary contacts		2		
number of NO contacts / for auxiliary contacts		2		
Suitability				
suitability for use		Plant / motor protection		
Adjustable parameters				
adjustable current response value current / of the current-dependent overload release / initial value		320 A		
Product details				
product component				
● trip indicator		Yes		
● voltage trigger		Yes		
● undervoltage release		No		
design of the auxiliary switch		2 NO + 2 NC		
product extension / optional / motor drive		Yes		
Product function				
product function				
● grounding protection		Yes		
● phase failure detection		Yes		
Display and operation				
display version		without display		
Short circuit				
breaking capacity operating short-circuit current (Ics)				
● at 415 V / rated value		66 kA		
● at 500 V / rated value		66 kA		
● at 690 V / rated value		50 kA		
breaking capacity maximum short-circuit current (Icu)				
● at 415 V / rated value		66 kA		
● at 500 V / rated value		66 kA		
● at 690 V / rated value		50 kA		
Connections				
arrangement of electrical connectors / for main current circuit		without guide frame		
type of electrical connection / for main current circuit		Blade contacts		
Mechanical Design				
height		411.5 mm		
width		311 mm		
depth		337 mm		
fastening method		drawer unit		
Environmental conditions				
ambient temperature / during operation				
● minimum		-20 °C		
● maximum		70 °C		
ambient temperature / during storage				
● minimum		-40 °C		
● maximum		70 °C		
General Product Approval		EMC	Declaration of Conformity	Test Certificates



[UK Declaration of Conformity](#)



[Miscellaneous](#)

Test Certificates

Marine / Shipping

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Confirmation](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

[Miscellaneous](#)

Dangerous Good

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3DG35-1FA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3DG35-1FA2>

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

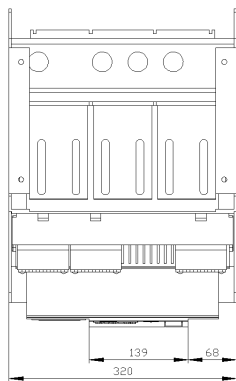
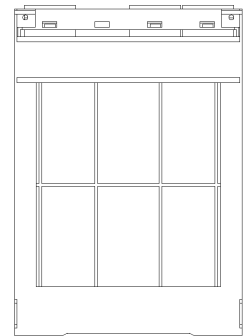
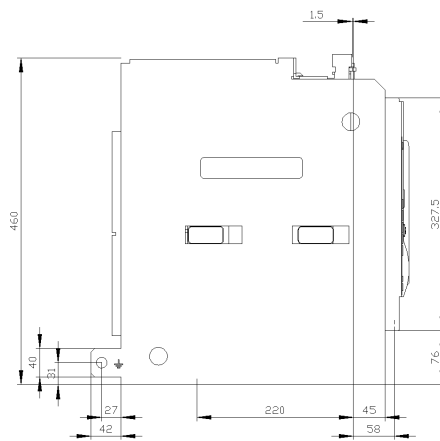
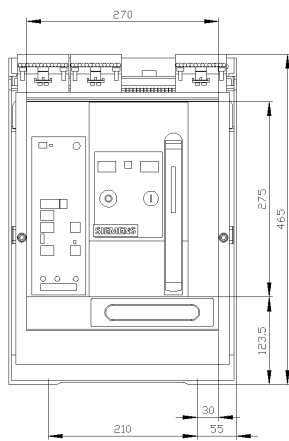
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3DG35-1FA2

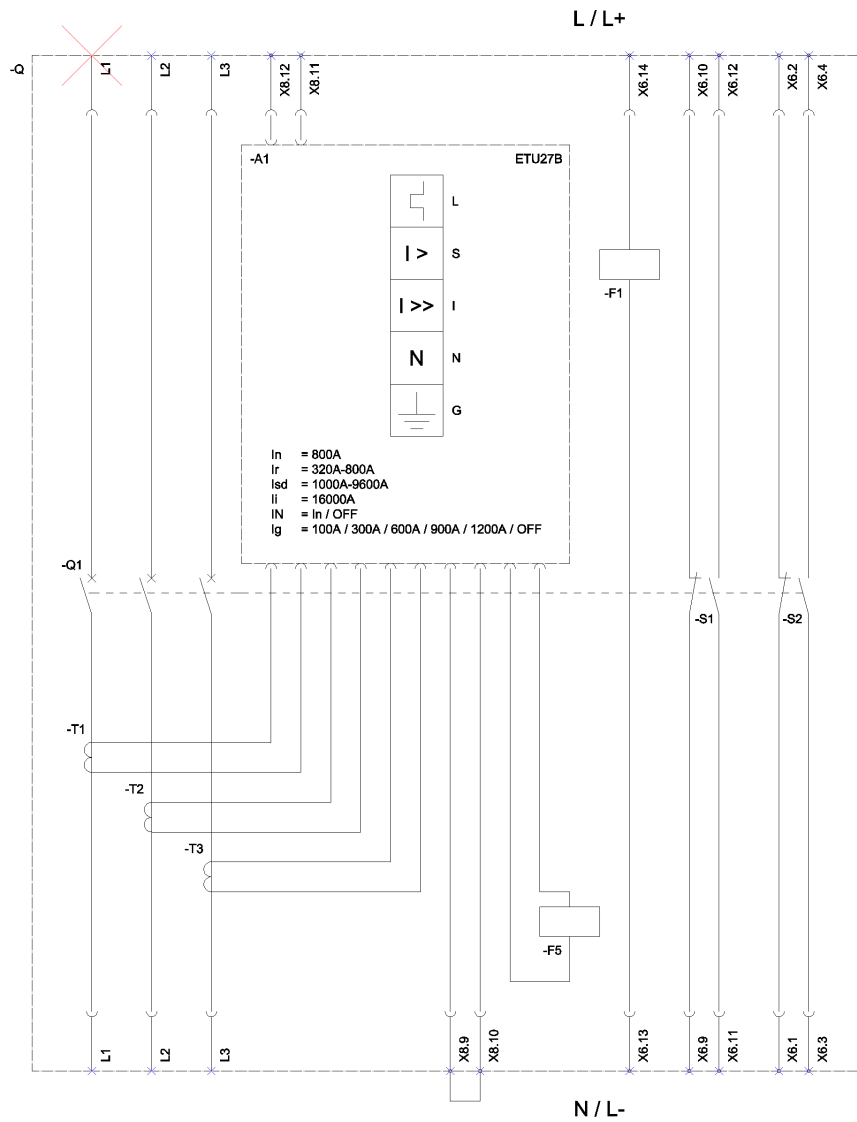
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlusschutz, kurzzeitverzögert);
 I (Instantaneous / Kurzschlusschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz); G (Ground Fault Protection / Erdschlusschutz);
 F1 (1st auxiliary release / Erster Hilfsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter);

last modified:

9/30/2021

