

withdrawable circuit breaker without guide frame 3-pole, size I, IEC
 $I_n=630\text{A}$ to 690V, AC50/60Hz $I_{cu}=66\text{kA}$ at 500V rear connection horizontal
 Overcurrent release ETU 27 LSING protection adjustable 0.4-1 in Ground
 fault/N protection integrated Motorized/manual operating mechanism with
 spring charging motor AC 50/60 Hz 110-127 V AC or 110-125 V DC
 Activation 50/60 Hz 110 V AC, 110 V DC 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 4NO+4NC B06= Rated current reference module 630
 A for ETU25, 27, 45, 55, 75, 76 for setting rated current in C11= electrical
 On with sealing cap not possible with option F02 K07= Tripped signaling
 contact, 1 CO not possible with option F02

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	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 U_i	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	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	12 600 A

<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / maximum 	12 600 A
Main circuit	
operating frequency	
<ul style="list-style-type: none"> 1 / rated value 2 / rated value 	50 Hz 60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	4
number of NO contacts / for auxiliary contacts	4
Suitability	
suitability for use	Plant / motor protection
Adjustable parameters	
adjustable current response value current	
<ul style="list-style-type: none"> of the short-time delayed short-circuit release / initial value of the short-time delayed short-circuit release / full-scale value 	788 A 7 560 A
adjustable current response value current / of the current-dependent overload release / initial value	252 A
Product details	
product component	
<ul style="list-style-type: none"> trip indicator voltage trigger undervoltage release 	Yes Yes No
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No
Product function	
product function	
<ul style="list-style-type: none"> grounding protection phase failure detection 	Yes Yes
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	66 kA 66 kA 50 kA
breaking capacity maximum short-circuit current (Icu)	
<ul style="list-style-type: none"> at 415 V / rated value at 500 V / rated value at 690 V / rated value 	66 kA 66 kA 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	
<ul style="list-style-type: none"> minimum maximum 	-20 °C 70 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> minimum maximum 	-40 °C 70 °C
Further information	

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfib=3WL1106-3DG35-5FA4-Z B06+C11+K07>

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

https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3DG35-5FA4-Z_B06+C11+K07

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

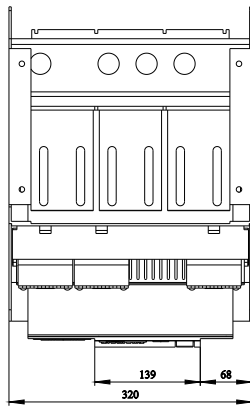
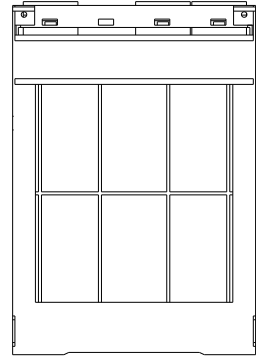
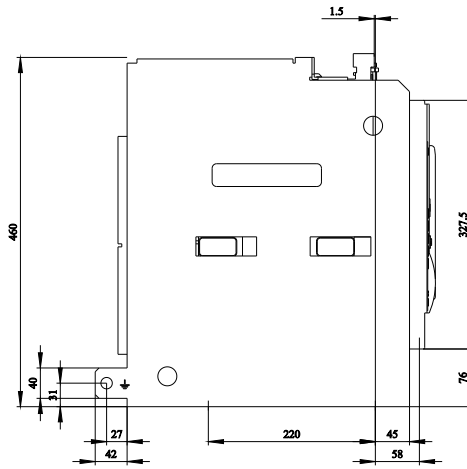
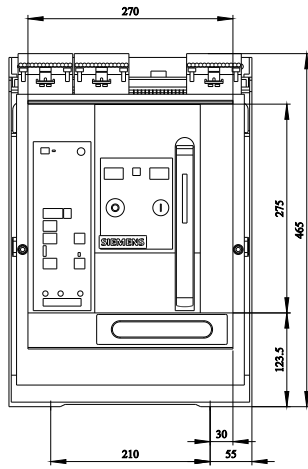
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3DG35-5FA4-Z_B06+C11+K07

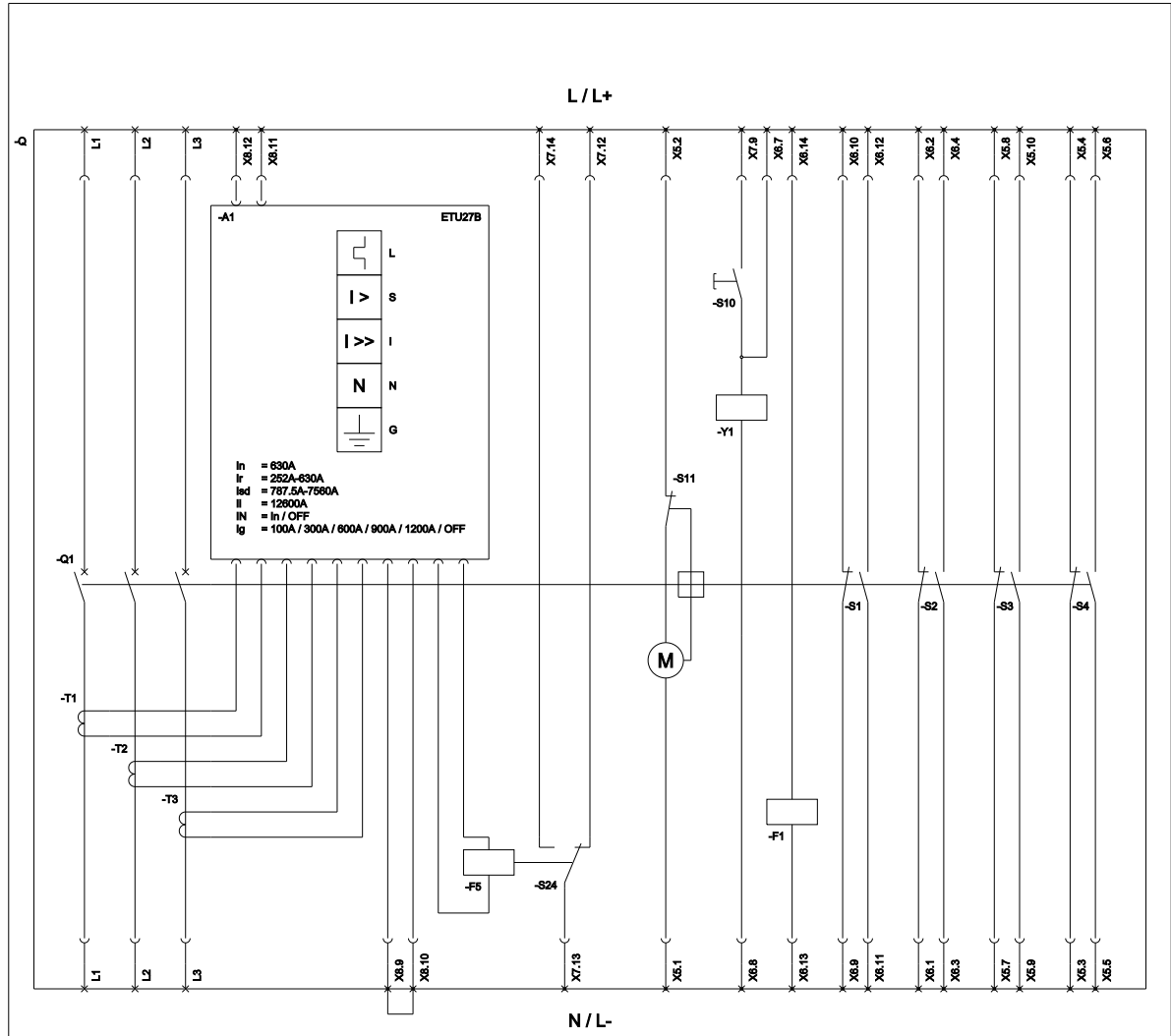
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitzögerig); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutralleiterschutz);
 G (Ground Fault Protection / Erdschussschutz); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsmagnet);
 F5 (Magnetisch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); S10 (Local Electrical); S24 (1st trip signalling switch K07 (Reset position) / Erster Auslösetastenschalter K07 (Reset Position));
 Y1 (Choking coil / Einschaltmagnet);

last modified:

3/25/2020

