

fixed-mounted circuit breaker 3-pole, size I, IEC In=800A to 690V, AC50/60Hz Icu=66kA at 500V frnt.conn. top/bot. single-hole Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in 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 without 1st auxiliary release With 2nd auxiliary release "RC", F4 Undervoltage, Delay 0.2-3.2s 110-127 V AC, 110-125 V DC, 100% ED 4NO+4NC

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	ETU25B
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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	33.3 W
• maximum	100 W
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	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 / of the current-dependent overload release / initial value	320 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	Yes
design of the auxiliary switch	4 NO + 4 NC
product extension / optional / motor drive	No

Product function		
product function		
- grounding protection - phase failure detection	No	Yes
Display and operation		
display version	without display	
Short circuit		
operating short-circuit current breaking capacity (Ics)		
at 415 V / rated value	66 kA	
at 500 V / rated value	66 kA	
at 690 V / rated value	50 kA	
maximum short-circuit current breaking capacity (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	Main connection top front/bottom single hole	
type of electrical connection / for main current circuit	busbar connection	
Mechanical Design		
height	462 mm	
width	320 mm	
depth	369 mm	
fastening method	fixed mounting	
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
Confirmation     		
Test Certificates		Marine / Shipping
Miscellaneous Special Test Certificate Type Test Certificates/Test Report	  	
Marine / Shipping		other
 CCS / China Classification Society  Miscellaneous Confirmation Miscellaneous		
Dangerous Good		Environment
Transport Information	Environmental Conformations	

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3CB33-5AR4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3CB33-5AR4>

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

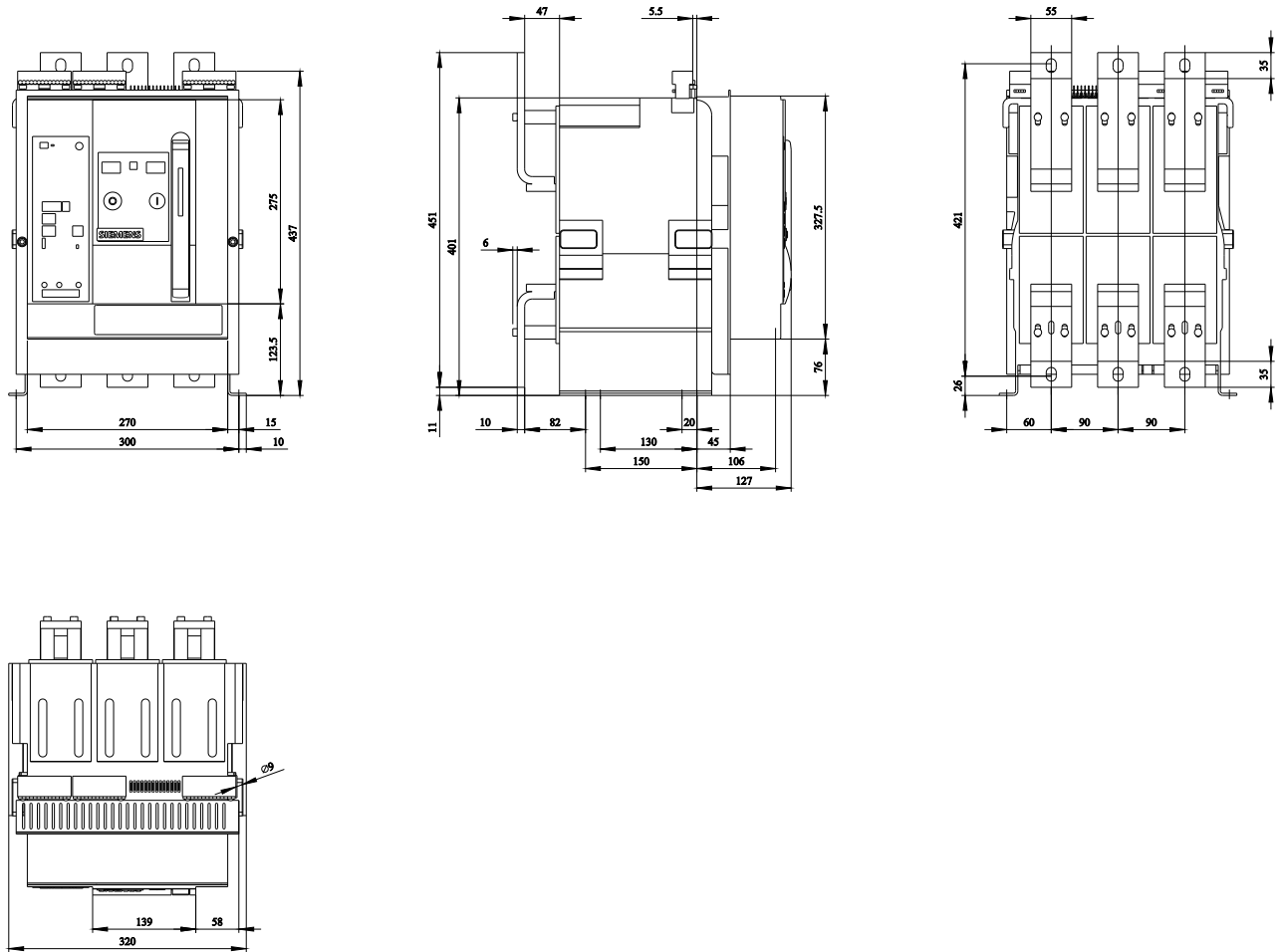
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3CB33-5AR4

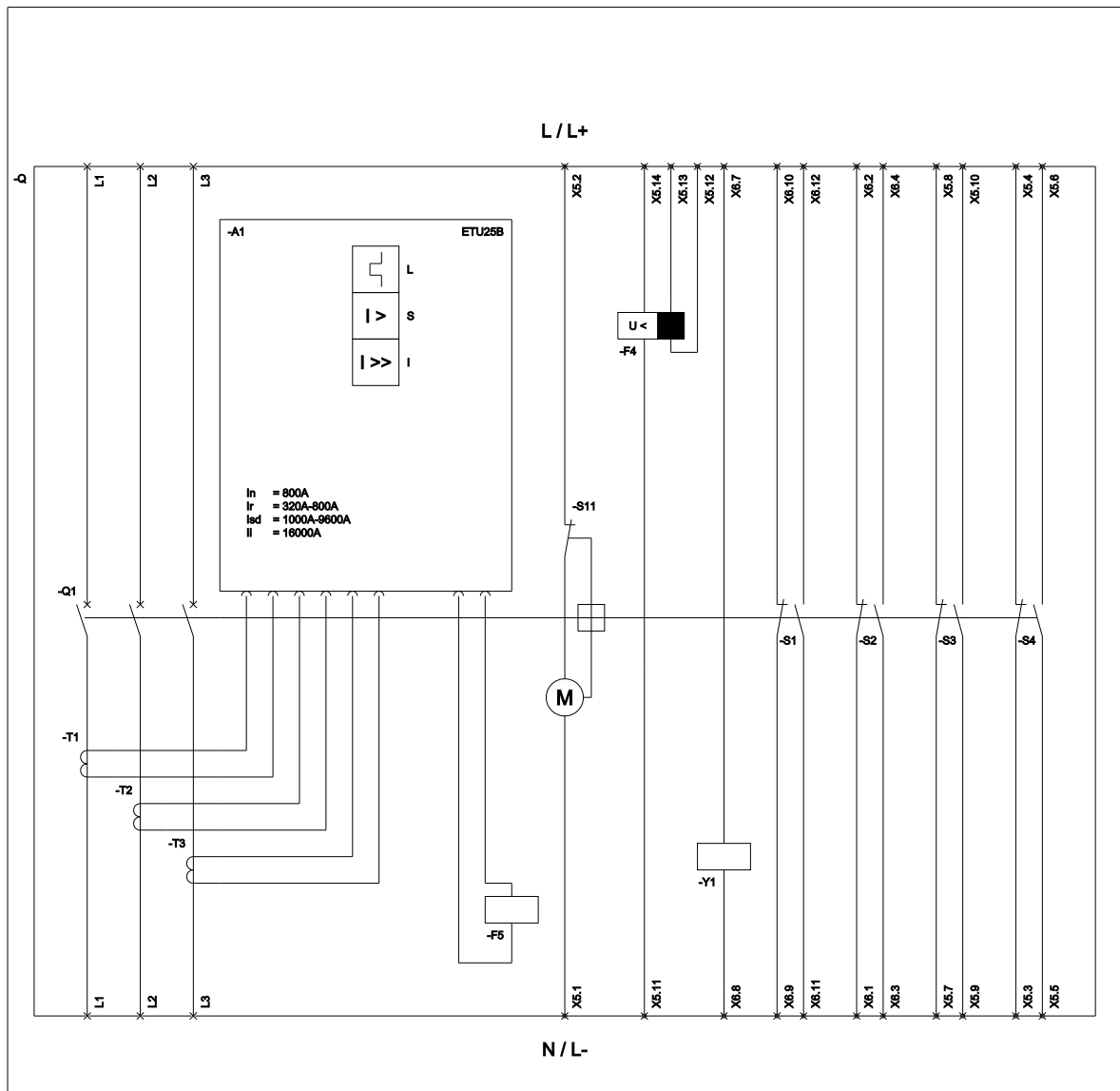
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeilverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert);
S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F4 (Undervoltage release time delayed / Unterspannungsauflöser verzögert);
F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

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