

fixed-mounted circuit breaker 3-pole, size II, IEC In=2500A 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 With manual operating mechanism with storage with mechanical request without 1st auxiliary release without 2nd auxiliary release 2NO+2NC



Model	
Product brand name	SENTRON
Product designation	ACB
Design of the product	IEC 60947-2
Design of the operating mechanism	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	ETU25B
General technical data	
Number of poles	3
Size of the circuit-breaker	2
Usage category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage U_i	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	90 W
Current	
Operating current / at 45 °C / rated value	2 500 A
Continuous current / rated value	2 500 A
Adjustable pick-up value current • of the current-dependent overload release / Full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / Full-scale value	2 500 A 50 000 A 50 000 A
Main circuit	
Operating frequency • 1 / rated value • 2 / rated value	50 Hz 60 Hz
Operating current • at 40 °C / rated value • at 50 °C / rated value • at 55 °C / rated value • at 60 °C / rated value • at 65 °C / rated value • at 70 °C / rated value	2 500 A 2 500 A 2 500 A 2 500 A 2 500 A 2 280 A
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 pick-up value current / of the current-dependent overload release / initial value	1 000 A
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	No
• undervoltage release	No
Product extension / optional / motor drive	Yes
Product function	
Product function	
• Ground fault protection	No
• Phase failure detection	Yes
Display and operation	
Display version	without display
Short circuit	
Operational 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	467 mm
Width	460 mm
Depth	379 mm
Mounting type	fixed mounting
Environmental conditions	
Ambient temperature / during operation	

- minimum -20 °C
- maximum 70 °C

Ambient temperature / during storage

- minimum -40 °C
- maximum 70 °C

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	Shipping Approval
 CCC	 VDE	 EG-Konf.	Miscellaneous Special Test Certificate  ABS

Shipping Approval	other
 BUREAU VERITAS	CCS / China Classification Society Environmental Confirmations Manufacturer Declaration

other
Confirmation Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-2CB33-1AA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-2CB33-1AA2>

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

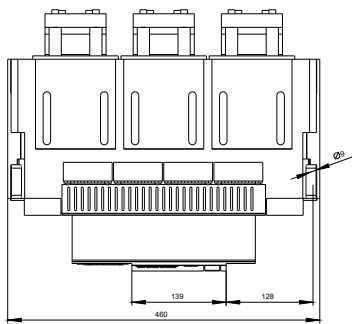
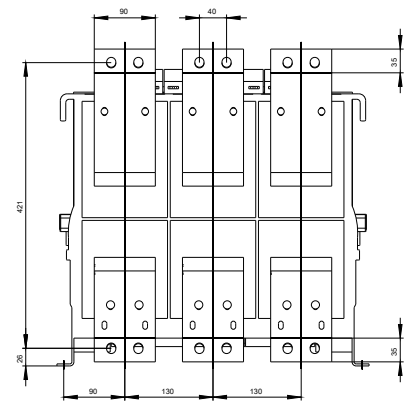
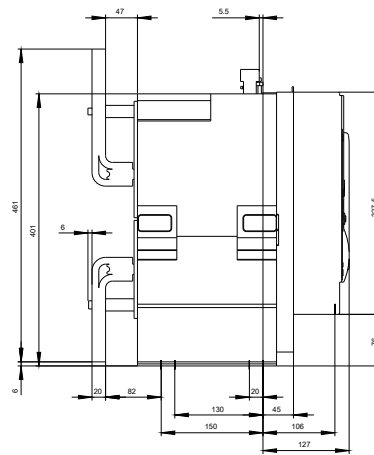
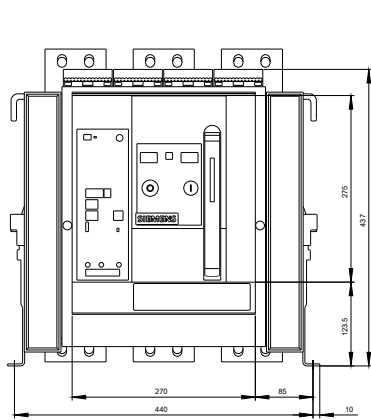
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB33-1AA2

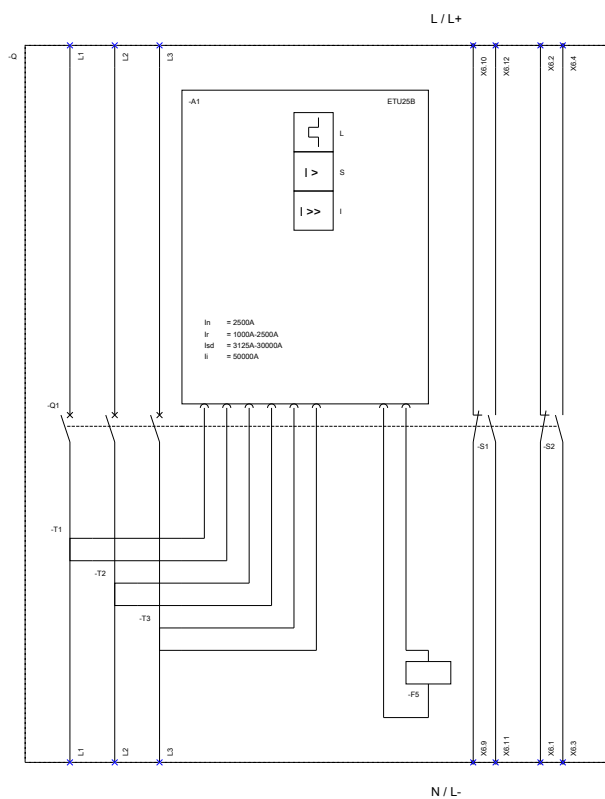
CAX-Online-Generator

<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); F5 (Maglatch for trip unit / Auslösemagnet);
S1 - S8 (Auxiliary switch / Hilfschalter);

last modified:

06/09/2020