

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=2000A to 690V, AC50/60Hz Icu=80kA at 500V rear connection horizontal Overcurrent release ETU 45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm./measuring func./ground fault/ ZSS Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 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	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	2
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	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	106.7 W
• maximum	320 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	800 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• 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 • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 kA	
maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	80 kA 80 kA 75 kA	
Connections		
arrangement of electrical connectors / for main current circuit	Main connection rear side horizontal	
type of electrical connection / for main current circuit	busbar connection	
Mechanical Design		
height	465.5 mm	
width	460 mm	
depth	456 mm	
fastening method	drawer unit	
Environmental conditions		
ambient temperature / during operation		
• minimum • maximum	-20 °C 70 °C	
ambient temperature / during storage		
• minimum • maximum	-40 °C 70 °C	
General Product Approval		EMC
 CCC Confirmation   RCM   EG-Konf.		Declaration of Conformity
Test Certificates		Marine / Shipping
Special Test Certificate	Type Test Certificates/Test Report	Miscellaneous
		 ABS  BUREAU VERITAS  LRS
Marine / Shipping		other
 RMRS	CCS / China Classification Society	 DNV GL Miscellaneous Confirmation Miscellaneous
Dangerous Good		
Environment		
Transport Information	Environmental Confirmations	
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=3WL1220-3EB36-4GN4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-3EB36-4GN4>

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

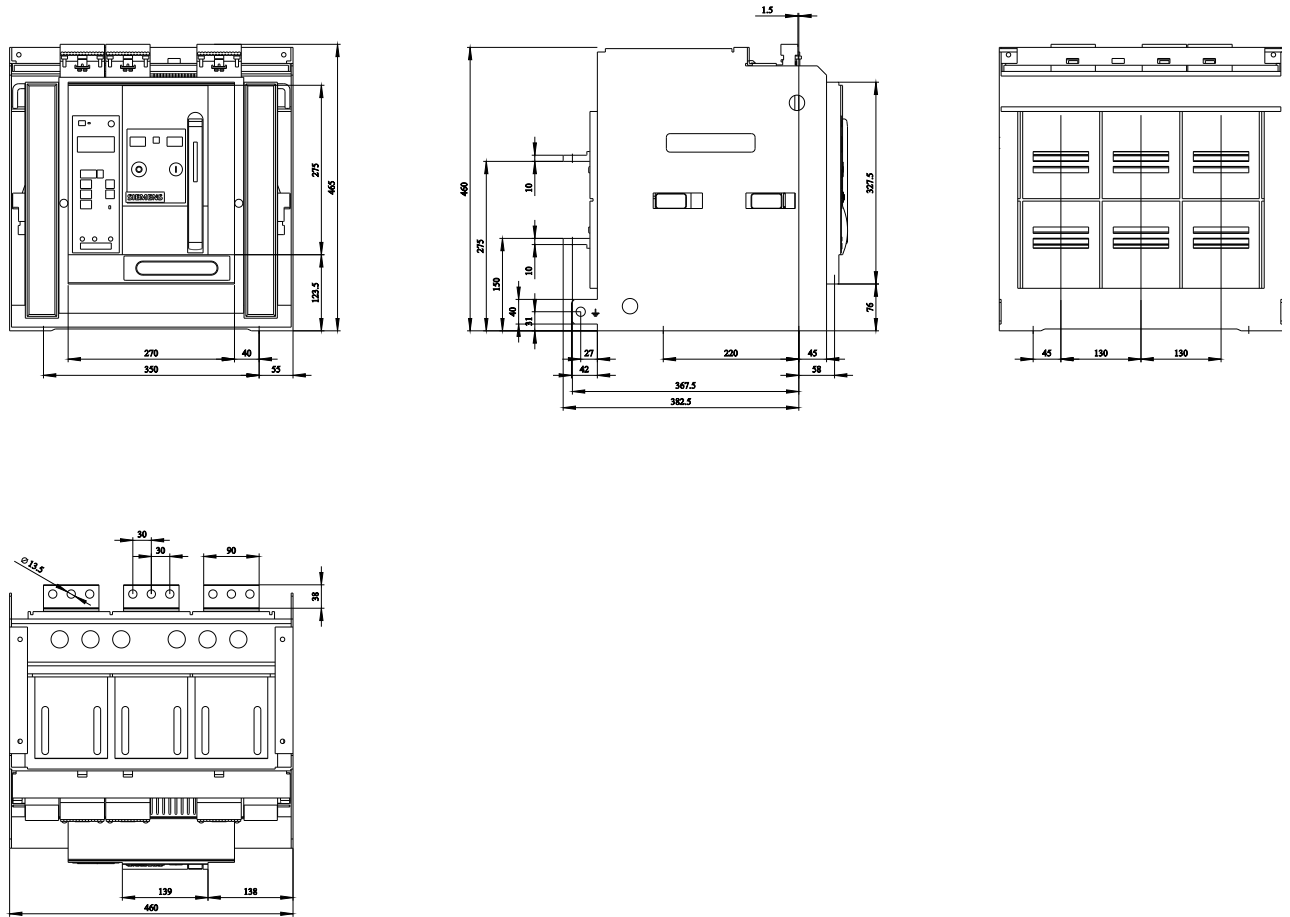
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-3EB36-4GN4

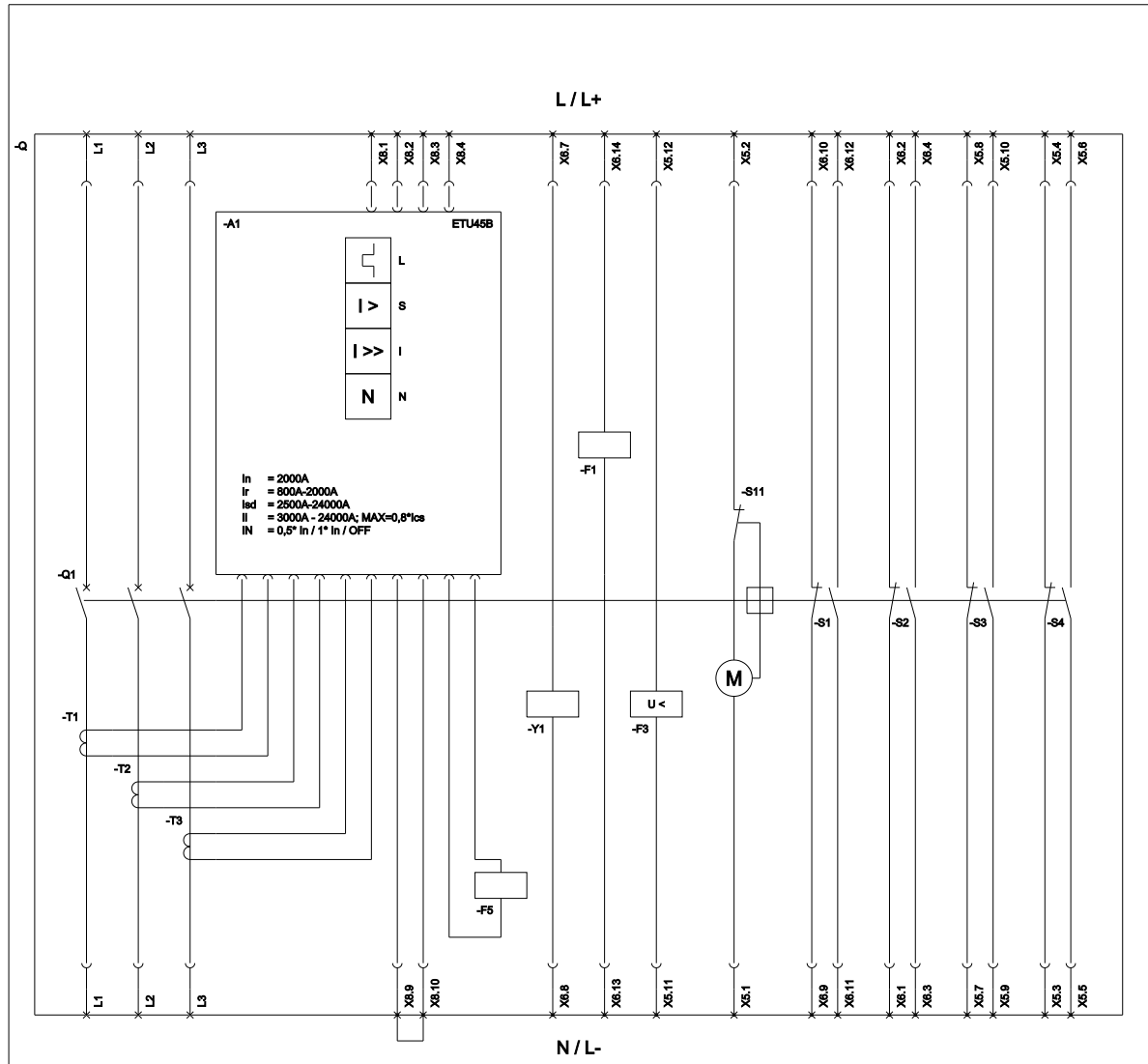
CAX-Online-Generator

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

Tender specifications

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





L (Long Time Delay / Überlastschutz); S (Short Time Delay / Kurzschlussschutz, kurzzeitverzögert); I (Instantaneous / Kurzschlussschutz, unverzögert); N (Neutral Protection / Neutralleisterschutz);
 S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorschaltrelais, wenn Feder gespannt); F1 (1st auxiliary release / Erster Hilfsauslöser); F3 (Undervoltage release / Unterspannungsauslöser);
 F5 (Magnet for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

3/9/2020

