

withdrawable circuit breaker without guide frame 3-pole, size II, IEC
 $I_n=2000\text{A}$ to 690V, AC50/60Hz $I_{cu}=100\text{kA}$ at 500V rear connection
 horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in
 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 without 1st auxiliary release With 2nd auxiliary release "R", F3
 Undervoltage, instant. 208-240 V AC, 220-250 V DC 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/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	2
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	LSI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	106.7 W
• maximum	320 W
Current	
operational current	
• at 40 °C / rated value	2 000 A
• at 45 °C / rated value	2 000 A
• at 50 °C / rated value	2 000 A
• at 55 °C / rated value	2 000 A
• at 60 °C / rated value	2 000 A
• at 65 °C / rated value	2 000 A
• at 70 °C / rated value	2 000 A
continuous current / rated value / maximum	2 000 A
continuous current / rated value	2 000 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	2 000 A
• of instantaneous short-circuit trip unit / minimum	40 000 A
• of instantaneous short-circuit trip unit / maximum	40 000 A
Main circuit	
operating frequency	

• 1 / rated value • 2 / rated value	50 Hz 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	800 A		
Product details			
product component			
• trip indicator • voltage trigger • undervoltage release	Yes No Yes		
design of the auxiliary switch	2 NO + 2 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			
breaking capacity operating short-circuit current (Ics)			
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 85 kA		
breaking capacity maximum short-circuit current (Icu)			
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value	100 kA 100 kA 85 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	451 mm		
depth	337 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	Declaration of Conformity
			Test Certificates
    UK Declaration of Conformity Type Test Certificates/Test Report			
Test Certificates		Marine / Shipping	

[Special Test Certificate](#)

[Miscellaneous](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Miscellaneous](#)

[Environmental Conformations](#)

[Confirmation](#)

[Miscellaneous](#)

Dangerous Good

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1220-4CB35-4AN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1220-4CB35-4AN2>

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

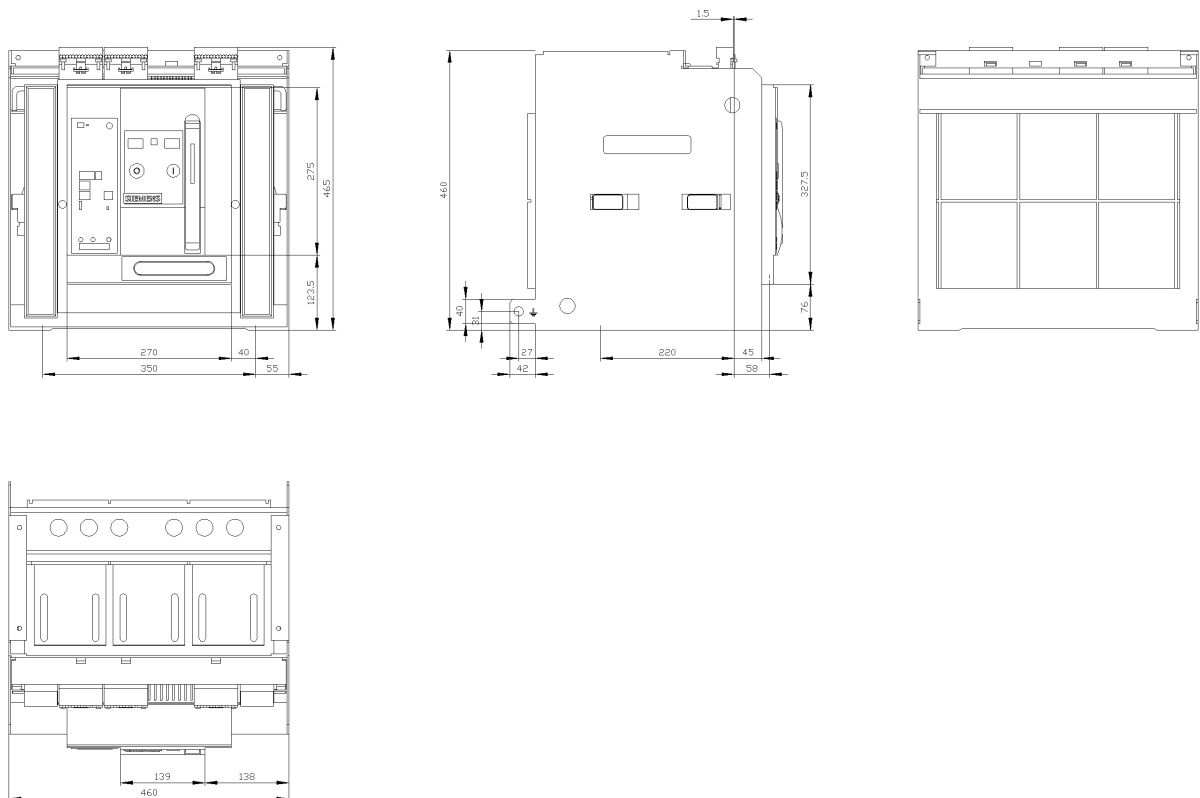
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-4CB35-4AN2

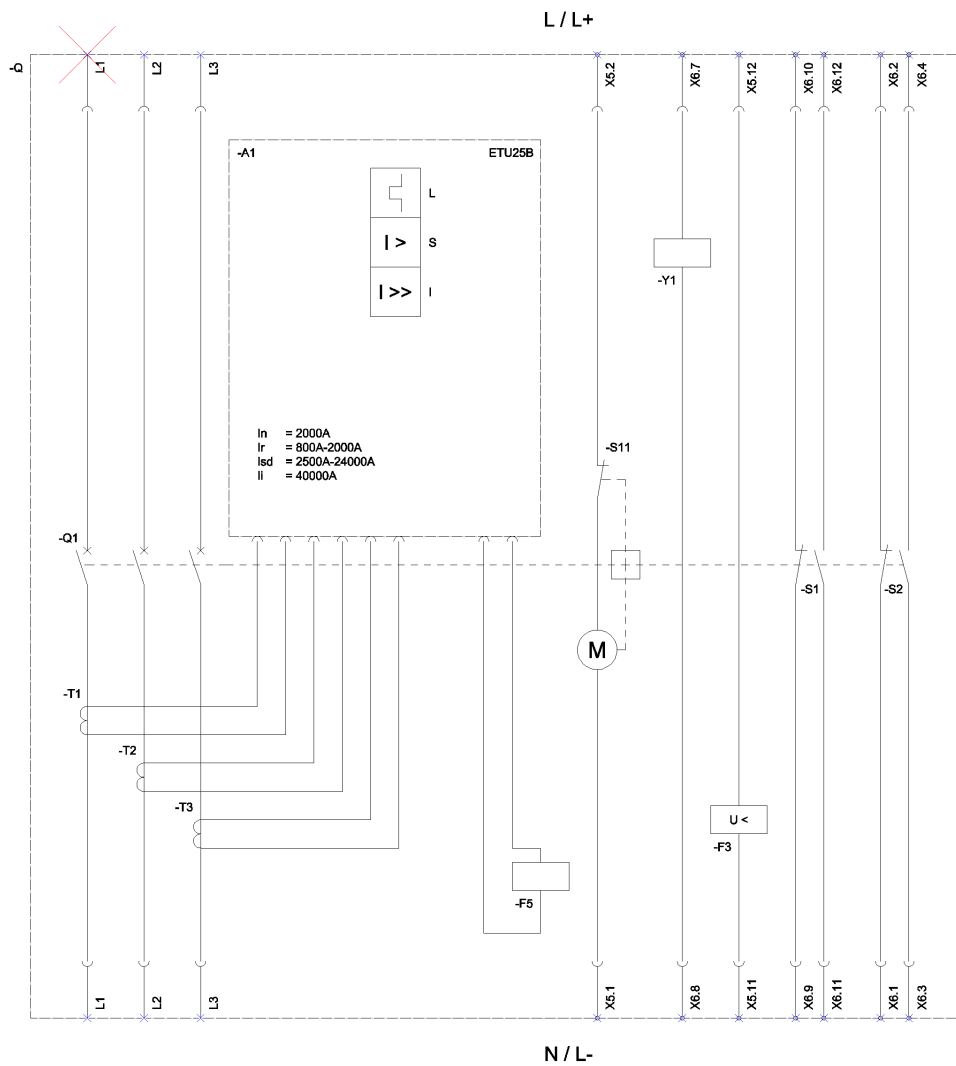
CAX-Online-Generator

<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); S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorabstellschalter, wenn Feder gespannt); F3 (Undervoltage release / Unterspannungsauslöser); F5 (Maglatch for trip unit / Auslösemagnet); S1 - S8 (Auxiliary switch / Hilfsschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

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