

fixed-mount non-aut. circuit-b. 3-pole, size II, IEC In=1600A to 690V, AC50/60Hz Icu=80kA at 500V frnt.conn. top/bot. dual-hole without overcurrent release 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 4NO+4NC

Model	
product brand name	SETRON
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	without
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	without
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	28.3 W
• maximum	85 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 600 A
• at 50 °C / rated value	1 600 A
• at 55 °C / rated value	1 600 A
• at 60 °C / rated value	1 600 A
• at 65 °C / rated value	1 600 A
• at 70 °C / rated value	1 600 A
continuous current / rated value / maximum	1 600 A
continuous current / rated value	1 600 A
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		Contact unit without release		
Product details				
product component				
• trip indicator		No		
• 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		No		
Display and operation				
display version		without display		
Short circuit				
breaking capacity operating short-circuit current (Ics)				
• at 415 V / rated value		80 kA		
• at 500 V / rated value		80 kA		
• at 690 V / rated value		75 kA		
breaking capacity maximum short-circuit current (Icu)				
• at 415 V / rated value		80 kA		
• at 500 V / rated value		80 kA		
• at 690 V / rated value		75 kA		
Connections				
arrangement of electrical connectors / for main current circuit		Main connection top front/bottom double hole		
type of electrical connection / for main current circuit		busbar connection		
Mechanical Design				
height		507 mm		
width		460 mm		
depth		369 mm		
fastening method		fixed mounting		
Environmental conditions				
ambient temperature / during operation				
• minimum		-25 °C		
• maximum		70 °C		
ambient temperature / during storage				
• minimum		-40 °C		
• maximum		70 °C		
General Product Approval		EMC	Declaration of Conformity	Test Certificates

[Miscellaneous](#)



[UK Declaration of Conformity](#)



Test Certificates		Marine / Shipping	
Type Test Certificates/Test Report		Special Test Certificate	
Marine / Shipping		other	

Dangerous Good

Transport Information

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1216-3AA34-4AN4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1216-3AA34-4AN4>

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

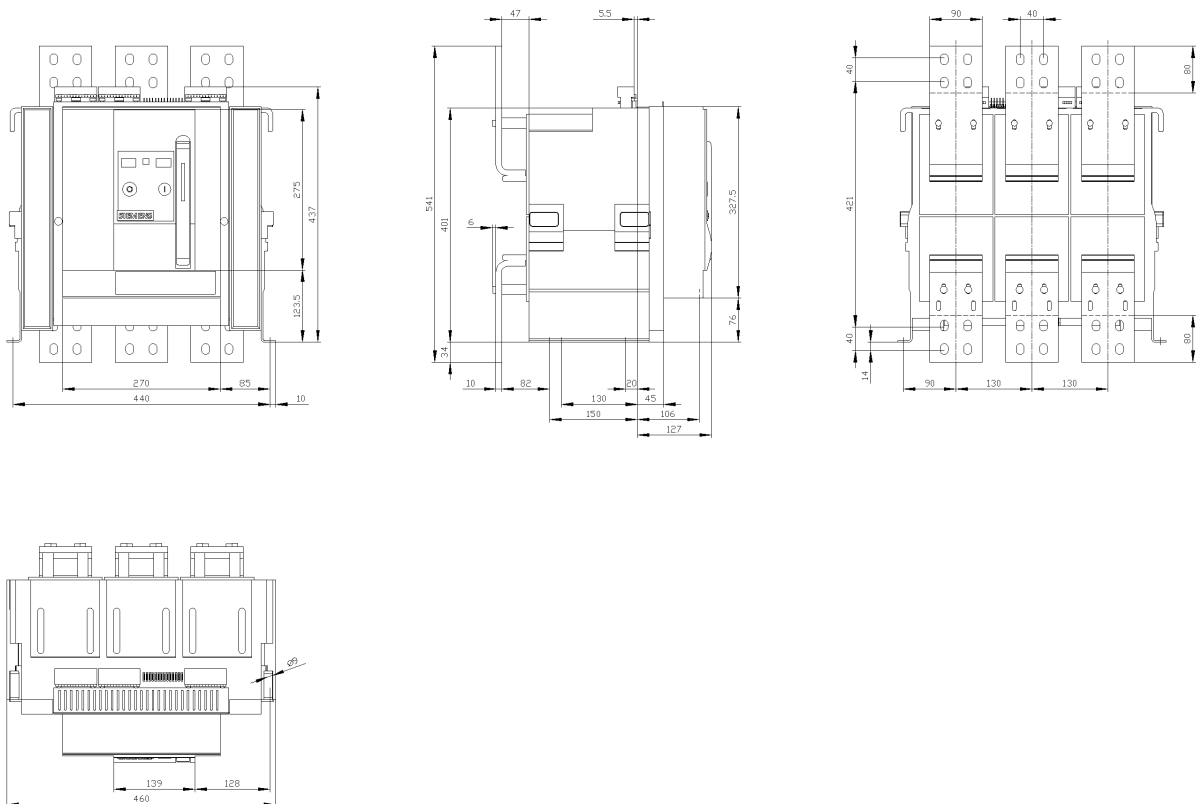
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1216-3AA34-4AN4

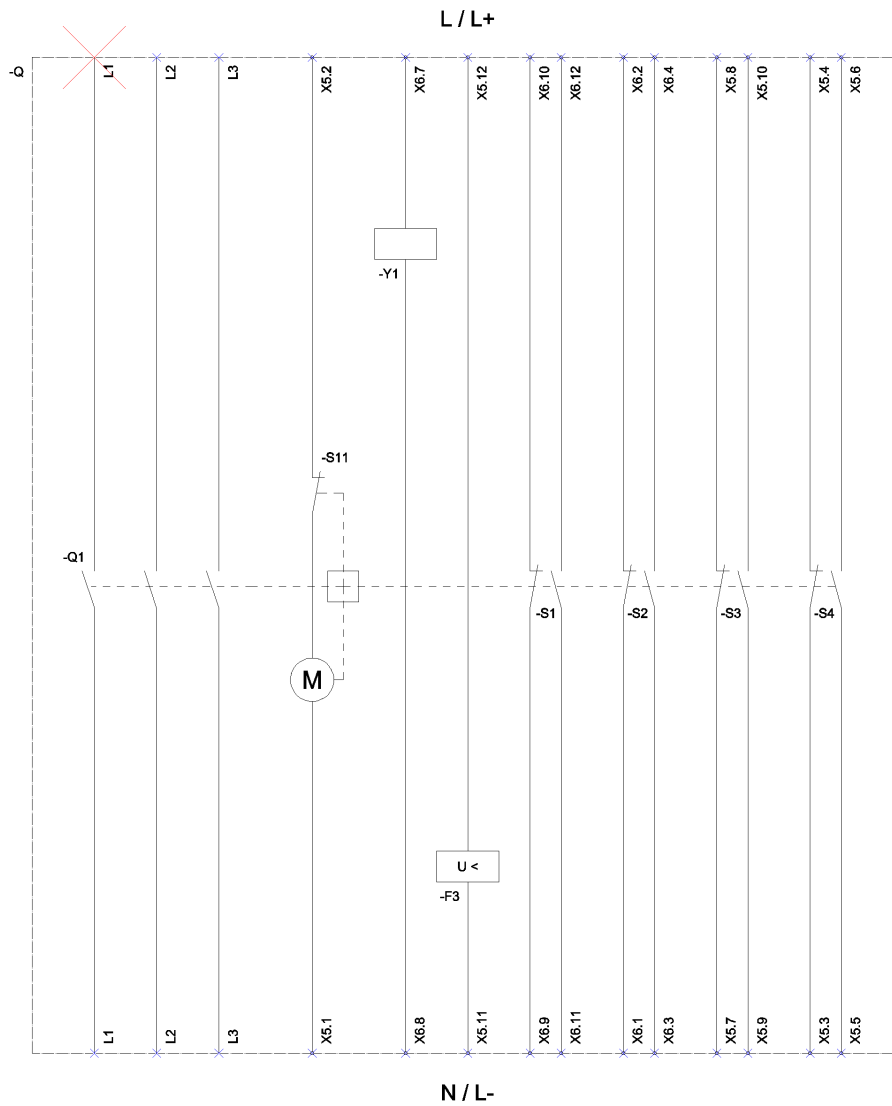
CAX-Online-Generator

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

Tender specifications

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





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

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