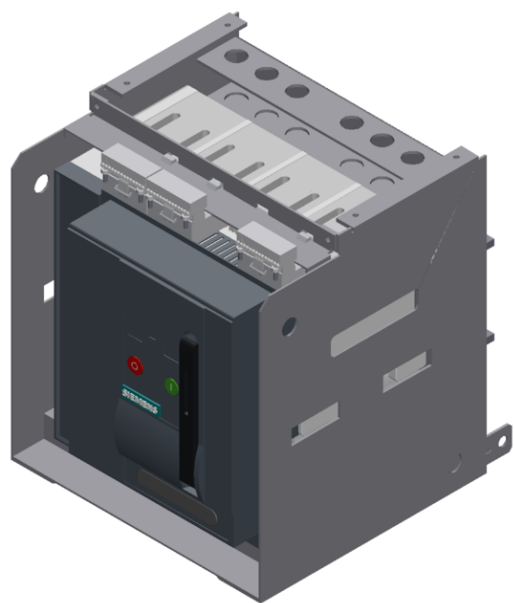


withdraw. non-aut. circuit-b. with guide frame 4-pole, size I, IEC
In=630A to 690V, AC50/60Hz Icu=66kA at 500V rear connection
horizontal without overcurrent release Motorized/manual operating
mechanism with spring charging motor AC 50/60 Hz 208-240 V or
220-250 V DC Activation AC 50/60 Hz 230 V, 220 V DC With 1st
auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC,
100% on-load factor without 2nd auxiliary release 4NO+4NC



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/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	4
Size of the circuit-breaker	1
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	without
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	65 W
Current	
Operating current / at 45 °C / rated value	630 A
Continuous current / rated value	630 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	630 A 630 A 630 A 630 A 630 A 630 A
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	Yes
• undervoltage release	No
Product extension / optional / motor drive	No

Product function

Product function	
• Ground fault protection	No

Display and operation

Display version	without display
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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 rear side horizontal
Type of electrical connection / for main current circuit	busbar connection

Mechanical Design

Height	460 mm
Width	410 mm
Depth	456 mm
Mounting type	drawer unit

Environmental conditions

Ambient temperature / during operation	
• minimum	-25 °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	
	CB			Special Test Certificate	Miscellaneous
CCC	CB	VDE	EG-Konf.		

Shipping Approval					
					CCS / China Classification Society
ABS	BUREAU VERITAS	LRS	PRS	RMRS	

other			
Environmental Confirmations	Manufacturer Declaration	Confirmation	Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-3AA46-4GA4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3AA46-4GA4>

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

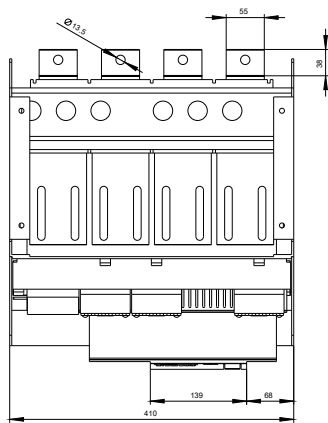
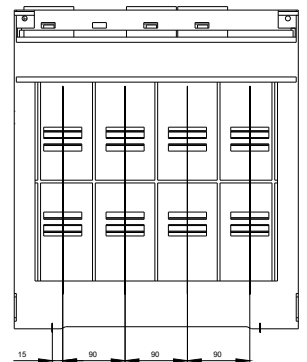
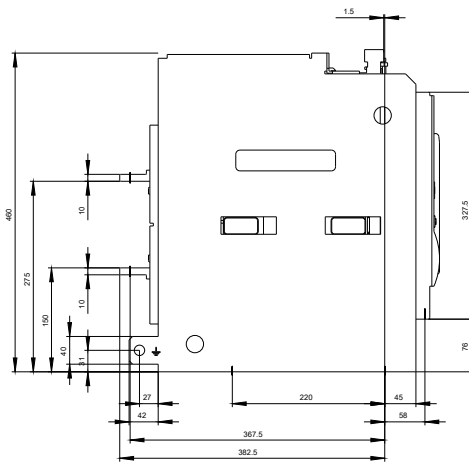
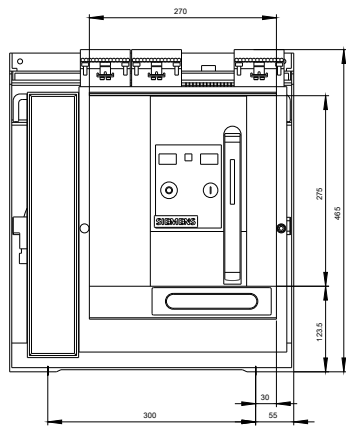
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3AA46-4GA4

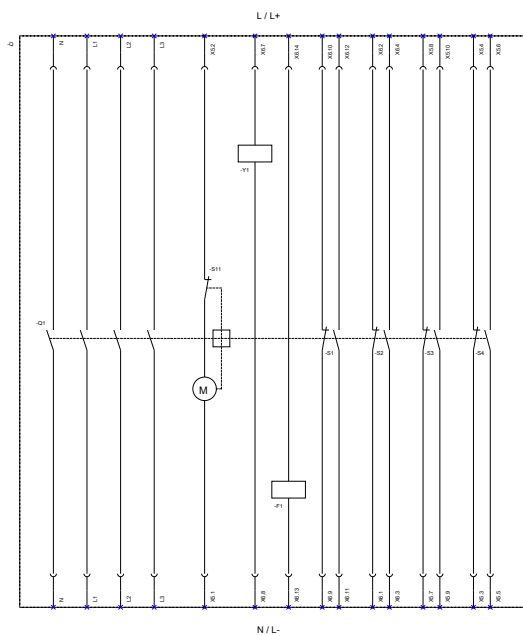
CAX-Online-Generator

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

Tender specifications

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





S11 (Internal motor shutdown switch, if spring is tensioned / Interner Motorschalterschalter, wenn Feder gespannt)
 F1 (1st auxiliary release / Erster Hilfsauslöser); S1 - S4 (Auxiliary switch / Hilfschalter); Y1 (Closing coil / Einschaltmagnet);

last modified:

05/08/2020