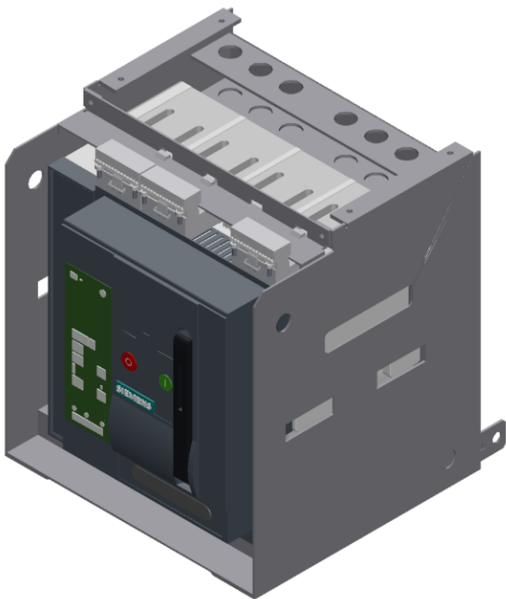




withdrawable circuit breaker without guide frame 4-pole, size I, IEC
In=800A to 690V, AC50/60Hz Icu=66kA at 500V rear connection
horizontal Overcurrent release ETU 27 LSING protection adjustable
0.4-1 in Ground fault/N protection integrated Motorized/manual
operating mechanism with spring charging motor 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 F23= Internal current transformers 4-pole switch BGI
K07= Tripped signaling contact, 1 CO not possible with option F02
S01= CES locking device in Off position Disconnecter condition Safe
Off/disconnector function

Model	
Product brand name	SENTRON
Product designation	ACB
Design of the auxiliary switch	4 NO + 4 NC
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	ETU27B

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

Protection class	
Protection class IP	IP20
Protection class IP / on the front	IP20
Protective function of the overcurrent release	LSING

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	65 W

Electricity	
Operating current / at 45 °C / rated value	800 A
Continuous current / rated value	800 A
Adjustable pick-up value current	
• of the current-dependent overload release / Full-scale value	800 A
• of instantaneous short-circuit trip unit / initial value	16 000 A
• of instantaneous short-circuit trip unit / Full-scale value	16 000 A

Main circuit	
Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Operating current	
• at 40 °C / rated value	800 A
• at 50 °C / rated value	800 A
• at 55 °C / rated value	800 A
• at 60 °C / rated value	800 A
• at 65 °C / rated value	800 A
• at 70 °C / rated value	800 A

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 pick-up value current / of the current-dependent overload release / initial value	320 A
Product details	
Product component	
• Trip indicator	Yes
• Voltage trigger	Yes
• undervoltage release	No
Product extension / optional / motor drive	No
Product function	
Product function	
• Ground fault protection	Yes
• 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	without guide frame
Type of electrical connection / for main current circuit	Blade contacts
Mechanical Design	
Height	411.5 mm
Width	401 mm
Depth	337 mm
Mounting type	drawer unit

Environmental conditions

Ambient temperature

-20 ... +70 °C

-40 ... +70 °C

Certificates

Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

Q

Q

General Product Approval

Declaration of Conformity

Test Certificates

CB

CB



CCC



VDE



EG-Konf.

[Miscellaneous](#)

[Special Test Certificate](#)

Shipping Approval

other



ABS



BUREAU
VERITAS



LRS



PRS



RMRS

[Environmental Confirmations](#)

other

[Manufacturer Declaration](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-3DG45-4GA4-Z F23+K07+S01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3DG45-4GA4-Z F23+K07+S01>

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

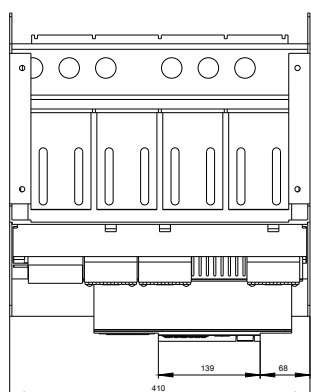
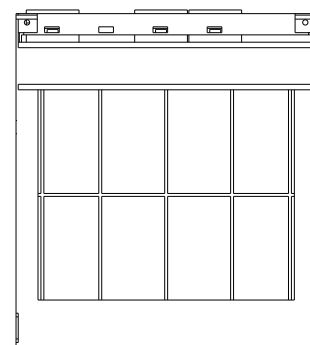
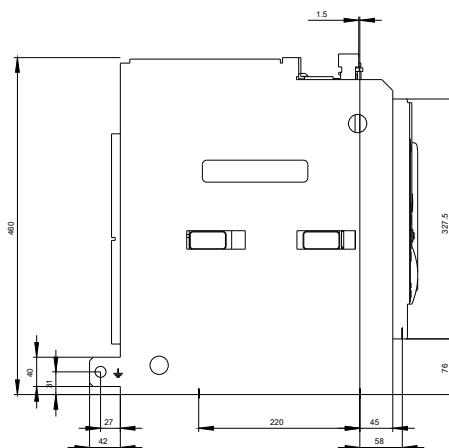
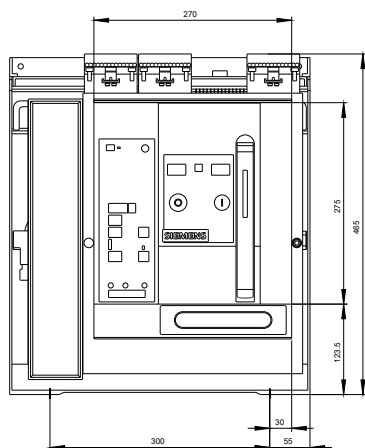
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3DG45-4GA4-Z F23+K07+S01

CAX-Online-Generator

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

Tender specifications

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





last modified:

06/29/2019