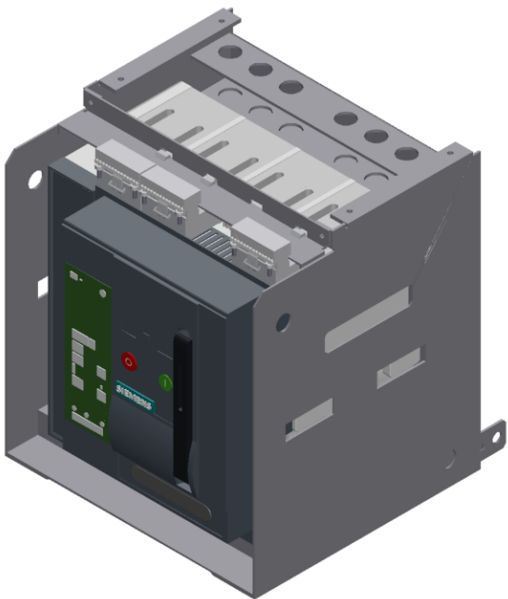




withdrawable circuit breaker with guide frame 4-pole, size I, IEC
In=1250A to 690V, AC50/60Hz Icu=66kA at 500V w. connection
flange Overcurrent release ETU 27 LSING protection adjustable 0.4-
1 in Ground fault/N protection integrated Motorized/manual operating
mechanism with spring charging motor AC 50/60 Hz 110-127 V AC
or 110-125 V DC Activation 50/60 Hz 110 V AC, 110 V DC With 1st
auxiliary release Shunt release "F", F1 50/60 Hz 110 V AC/110 V DC,
100% on-load factor without 2nd auxiliary release 4NO+4NC C01=
Mechanical switching cycle counter C11= Electrical On with sealing
cap not possible with option F02 C22= Ready-to-close signaling
K07= Tripped signaling contact, 1 CO not possible with option F02
R15= Position signaling switch, withdrawable part 3 changeover
contacts

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	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
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	LSING
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	68.3 W
Current	
Operating current / at 45 °C / rated value	1 250 A
Continuous current / rated value	1 250 A
Adjustable pick-up value current - of the current-dependent overload release / Full-scale value - of instantaneous short-circuit trip unit / initial value - of instantaneous short-circuit trip unit / Full-scale value	1 250 A 25 000 A 25 000 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	1 250 A 1 250 A 1 250 A 1 250 A 1 250 A 1 210 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	500 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	Rear connection flange
Type of electrical connection / for main current circuit	busbar connection
Mechanical Design	
Height	460 mm
Width	410 mm
Depth	429.5 mm
Mounting type	drawer unit
Environmental conditions	

Ambient temperature / during operation	
• minimum	-20 °C
• maximum	70 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	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



CCC

CB

CB



VDE



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval



ABS



BUREAU
VERITAS



LRS



PRS



RMRS

[CCS / China Classification Society](#)

other

[Environmental Conformations](#)

[Manufacturer Declaration](#)

[Confirmation](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3DG48-5FA4-Z C01+C11+C22+K07+R15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3DG48-5FA4-Z C01+C11+C22+K07+R15>

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

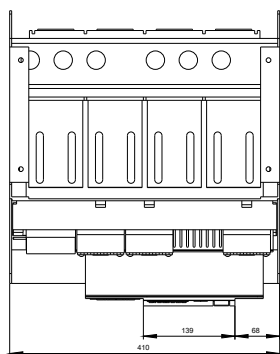
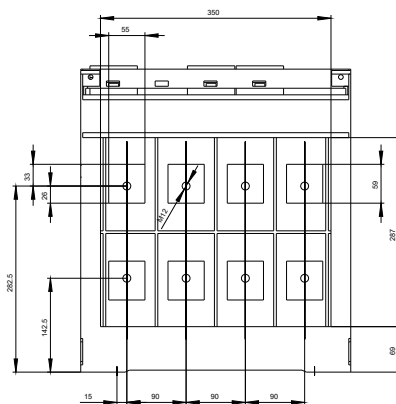
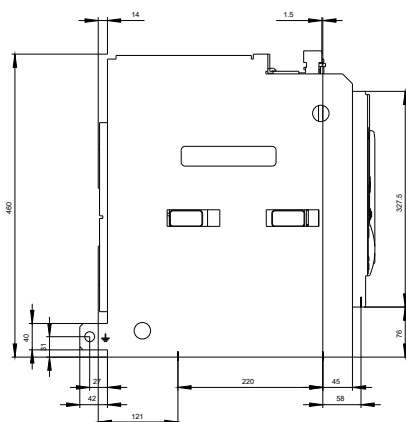
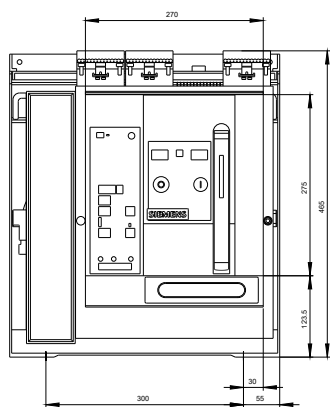
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3DG48-5FA4-Z C01+C11+C22+K07+R15

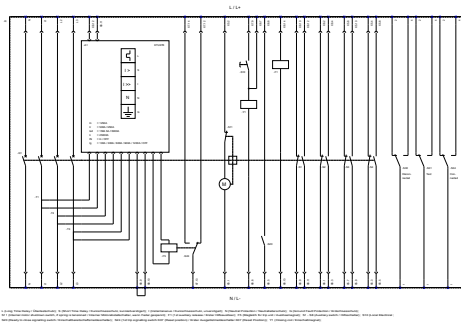
CAX-Online-Generator

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

Tender specifications

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





last modified:

06/10/2020