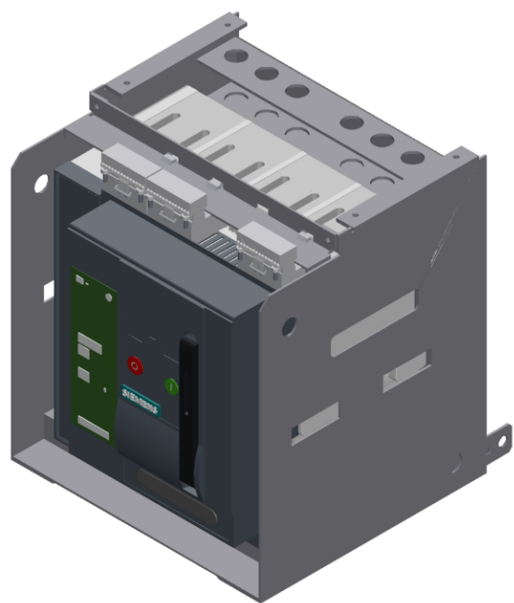


withdrawable circuit breaker with guide frame 4-pole, size I, IEC
In=800A to 690V, AC50/60Hz Icu=55kA at 500V w. connection
flange Overcurrent release ETU 15 LI protection adjustable 0.5-1 in
Motorized/manual operating mechanism with spring charging motor
AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz
230 V, 220 V DC With 1st auxiliary release Shunt release "F", F1
50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd
auxiliary release "R", F3 Undervoltage, instant. 208-240 V AC, 220-
250 V DC 4NO+4NC R21= Shutter 2-part can be locked with bracket
lock



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	ETU15B
General technical data	
number of poles	4
size of the circuit-breaker	1
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	LI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	65 W
• maximum	195 W
Current	
continuous current / rated value / maximum	800 A
continuous current / rated value	800 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	800 A
• of instantaneous short-circuit trip unit / initial value	1 600 A
• of instantaneous short-circuit trip unit / full-scale value	6 400 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
operational 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	system protection
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Adjustable parameters

adjustable current response value current / of the current-dependent overload release / initial value	400 A
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Product details

product component	
• trip indicator	Yes
• voltage trigger	Yes
• 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
• phase failure detection	No

Display and operation

display version	without display
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Short circuit

• breaking capacity operating short-circuit current (Ics) / at 415 V / rated value	55 kA
• breaking capacity operating short-circuit current (Ics) / at 500 V / rated value	55 kA
• breaking capacity operating short-circuit current (Ics) / at 690 V / rated value	42 kA
• breaking capacity maximum short-circuit current (Icu) / at 415 V / rated value	55 kA
• breaking capacity maximum short-circuit current (Icu) / at 500 V / rated value	55 kA
• breaking capacity maximum short-circuit current (Icu) / at 690 V / rated value	42 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
fastening method	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	Q
• acc. to IEC 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 CB	 VDE
	 EG-Konf.	Miscellaneous Special Test Certificate

Shipping Approval

 ABS	 BUREAU VERITAS	 LRS	 PRS	 RMRS	CCS / China Classification Society
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other

Environmental Confirmations	Manufacturer Declaration	Confirmation	Miscellaneous
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Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-2BB48-4GN4-Z R21>

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

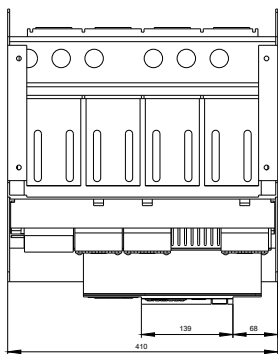
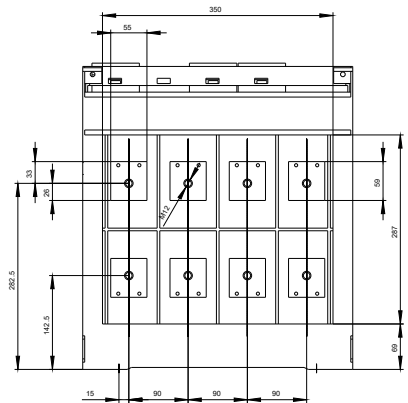
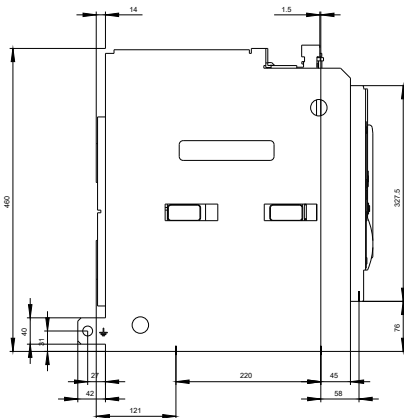
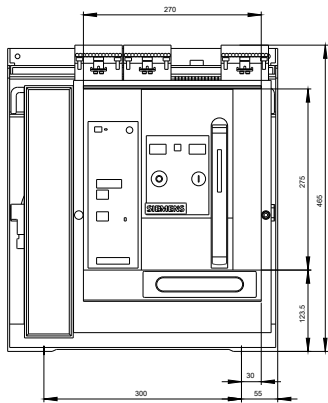
<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-2BB48-4GN4-Z R21>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-2BB48-4GN4-Z R21

CAX-Online-Generator

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





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10/29/2020