



withdrawable circuit breaker with guide frame 3-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 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 C20= Spring charge status indicator not possible with
option F02 C22= Ready indicator K07= Tripped signaling contact, 1
CO not possible with option F02 R10= Arc chute cover withdrawable
part not possible with option A05 Rated voltage 1000 V R16=
Position signaling switch, withdrawable part 6 changeover contacts
R21= Shutter 2-part can be locked with padlock S25= Motor cutout
switch in operator panel (S25) T40= Door sealing frame

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	3
size of the circuit-breaker	1
usage 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 function of the overcurrent release	LSING

Dissipation

power loss [W] • for rated value of the current / at AC / in hot operating state / per pole • maximum	65 W 195 W
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Current

continuous current / rated value / maximum	800 A
continuous current / rated value	800 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	800 A 16 000 A 16 000 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	800 A 800 A 800 A 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
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Adjustable parameters

adjustable pick-up value current / of the current-dependent overload release / initial value	320 A
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Product details

product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	No
design of the auxiliary switch	4 NO + 4 NC
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
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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
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width	320 mm
depth	456 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	Q
• acc. to DIN EN 81346-2	Q

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

Shipping Approval

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

Environmental Conformations	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=3WL1108-3DG36-5FA4-Z C20+C22+K07+R10+R16+R21+S25+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-3DG36-5FA4-Z C20+C22+K07+R10+R16+R21+S25+T40>

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

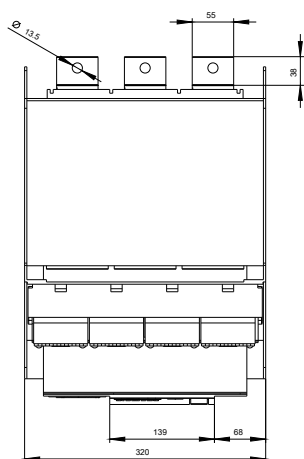
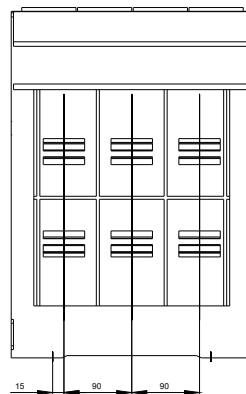
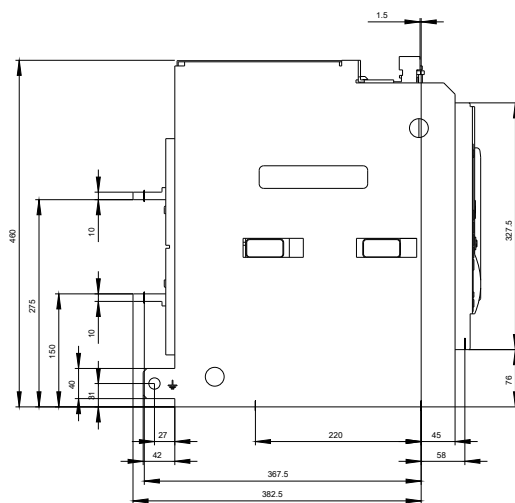
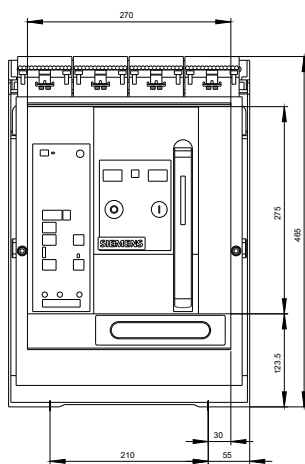
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-3DG36-5FA4-Z C20+C22+K07+R10+R16+R21+S25+T40

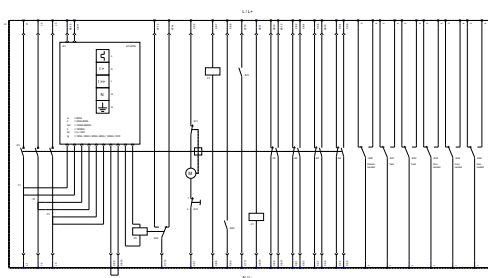
CAX-Online-Generator

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

Tender specifications

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





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