

withdraw. non-aut. circuit-b. with guide frame 3-pole, size I, IEC In=800A to 690V, AC50/60Hz Icu=85kA at 500V w. connection flange without overcurrent release With manual operating mechanism with storage with mechanical request With 1st auxiliary release Shunt release "F", F1 24 V DC; 100% ON period With 2nd auxiliary release "F", F2 Shunt release 24 V DC; 100% on-load factor 2NO+2NC C22= Ready indicator K07= Caution!!! Order code K07 with non-automatic circuit breaker not possible!!! M06= Motor drive, Drive motor AC 50/60 Hz 208-240 V or 220-250 V DC M21= Switch-on solenoid 24 V DC 100% on-load factor R16= Position signaling switch, withdrawable part 6 changeover contacts R21= Shutter 2-part can be locked with padlock R30= Locking device against opening the control cabinet door

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	without
General technical data	
number of poles	3
size of the circuit-breaker	1
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	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	without
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	65 W
• maximum	195 W
Current	
operational current	
• at 40 °C / rated value	800 A
• at 45 °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
continuous current / rated value / maximum	800 A
continuous current / rated value	800 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Auxiliary circuit	

number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2

Suitability

suitability for use	Contact unit without release
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Product details

product component	
• trip indicator	No
• voltage trigger	Yes
• undervoltage release	No
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No

Product function

product function	
• grounding protection	No

Display and operation

display version	without display
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Short circuit

operating short-circuit current breaking capacity (Ics)	
• at 415 V / rated value	85 kA
• at 500 V / rated value	85 kA
• at 690 V / rated value	66 kA
maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	85 kA
• at 500 V / rated value	85 kA
• at 690 V / rated value	66 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	320 mm
depth	429.5 mm
fastening method	drawer unit

Environmental conditions

ambient temperature / during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1108-4AA38-1BB2-Z C22+K07+M06+M21+R16+R21+R30>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1108-4AA38-1BB2-Z C22+K07+M06+M21+R16+R21+R30>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1108-4AA38-1BB2-Z C22+K07+M06+M21+R16+R21+R30

CAx-Online-Generator

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

Tender specifications

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



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