

FIXED-MOUNT NON-AUT. CIRCUIT-B. 3-POLE, SIZE
I, IEC IN=1250A TO 690V, AC50/60HZ ICU=55KA AT
500V FRNT.CONN. TOP/BOT. SINGLE-HOLE



Model		
Product brand name		SETRON
Product designation		ACB
Design of the auxiliary switch		2 NO + 2 NC
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		without

General technical data		
Number of poles		3
Size of the circuit-breaker		1
Electrical endurance (switching cycles) / typical		20 000
Usage category		B
circuit-breaker / Design		3WL1112
Mechanical service life (switching cycles) / typical		20 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		without

Dissipation		
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	W	35

Electricity		
Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	55
• limited to 1 s / rated value	kA	42
• limited to 2 s / rated value	kA	29.5
• limited to 3 s / rated value	kA	24

Main circuit		
Operating frequency		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
Operating voltage		
• at AC / at 50/60 Hz / rated value	V	690
Operating current		
• at 40 °C / rated value	A	1 250

- 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

A	1 250
A	1 250
A	1 250
A	1 250
A	1 210

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		No
• undervoltage release		Yes
Product extension / optional / motor drive		No

Product function

Product function		
• Ground fault protection		No

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	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	55
• at 500 V / rated value	kA	55
• at 690 V / rated value	kA	42

Connections

Arrangement of electrical connectors / for main current circuit		Main connection top front/bottom single hole
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	462
Width	mm	320
Depth	mm	374

Mounting type	fixed mounting
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Environmental conditions

Ambient temperature

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

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	Shipping Approval
 CCC	 VDE	 EG-Konf.	Special Test Certificate Miscellaneous  ABS

Shipping Approval



other

[Environmental Conformations](#)
[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2AA33-4AS2-Z C22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2AA33-4AS2-Z C22>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2AA33-4AS2-Z C22

CAX-Online-Generator

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

Tender specifications

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

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