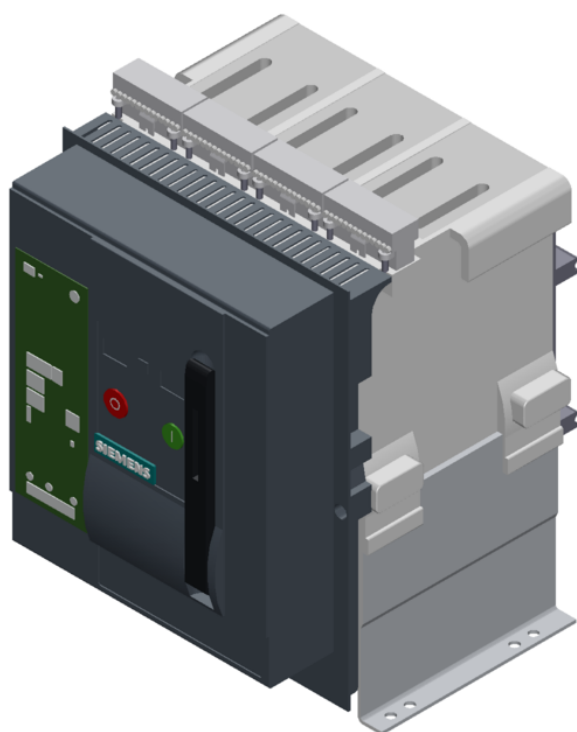


FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE
I, IEC IN=1250A TO 690V, AC50/60HZ ICU=55KA AT
500V REAR CONNECTION HORIZONTAL



Model		
Product brand name		SENTRON
Product designation		ACB
Design of the auxiliary switch		2 NO + 2 NC
Design of the operating mechanism		Pushbutton
Type of the driving mechanism		Manual operating mechanism with mechanical closing
Type of the driving mechanism / motor drive		No
Design of the overcurrent release		ETU25B

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 U_i	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSI

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
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	25 000
• of instantaneous short-circuit trip unit / Full-scale value	A	25 000
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	A	1 250
• at 55 °C / rated value	A	1 250
• at 60 °C / rated value	A	1 250
• at 65 °C / rated value	A	1 250
• at 70 °C / rated value	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		Plant / motor protection
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Adjustable parameters

Adjustable pick-up value current		
• of the short-time delayed short-circuit release / initial value	A	1 563
• of the short-time delayed short-circuit release / Full-scale value	A	15 000

Product details

Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		No
Product extension / optional / motor drive		Yes

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
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Connections

Arrangement of electrical connectors / for main current circuit		Main terminal on the rear horizontal
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	439.5
Width	mm	320
Depth	mm	337
Mounting type		fixed mounting

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• 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.	Miscellaneous Special Test Certificate  ABS

Shipping Approval



other

[Environmental Confirmations](#)
[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-2CB32-1AA2-Z S07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-2CB32-1AA2-Z S07>

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

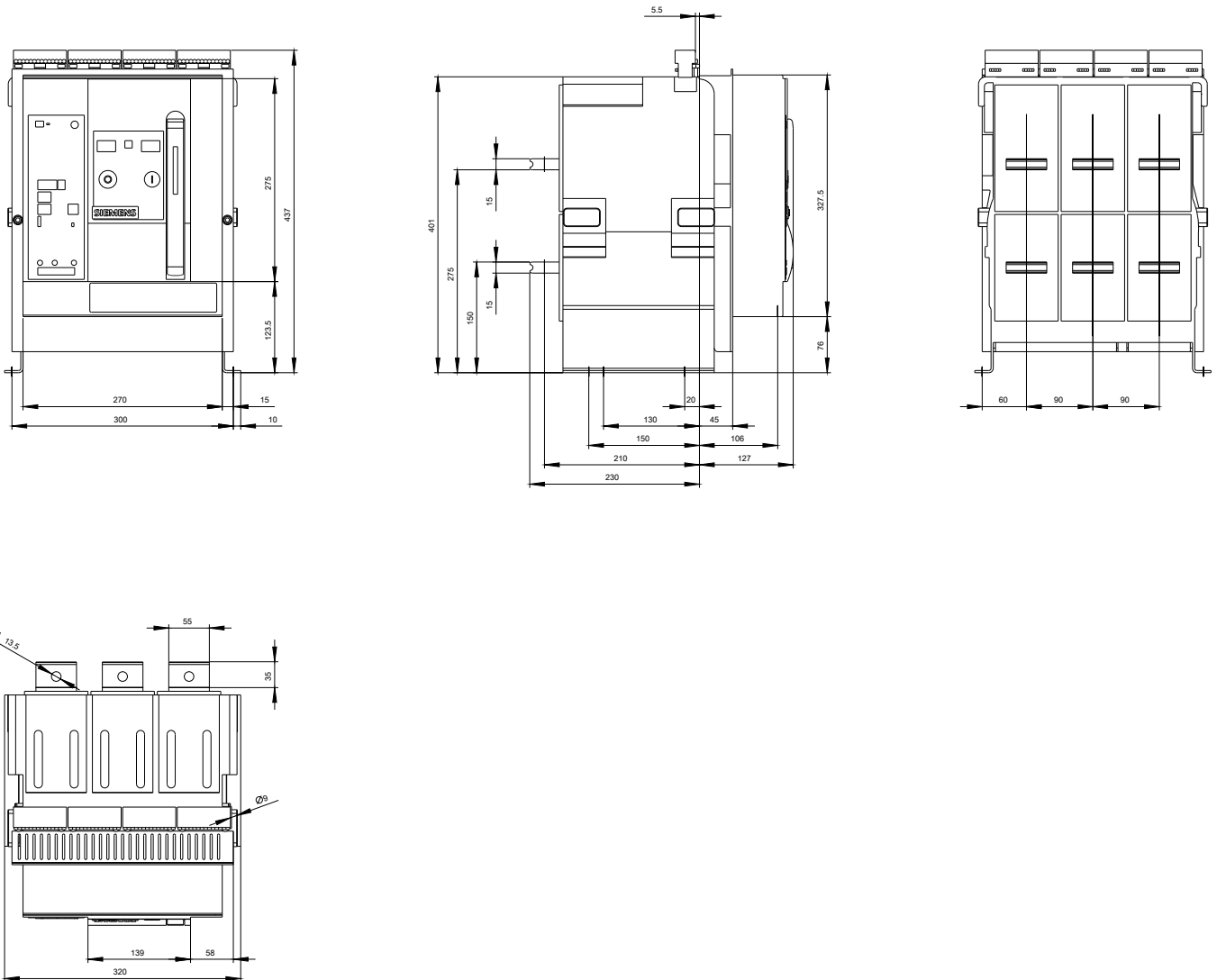
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2CB32-1AA2-Z S07

CAX-Online-Generator

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

Tender specifications

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



last modified:

06/11/2018