

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE I, IEC IN=2000A TO 690V, AC50/60HZ ICU=55KA AT 500V REAR CONNECTION HORIZONTAL



Model		
Product brand name		SENTRON
Product designation		ACB
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		15 000
Usage category		B
circuit-breaker / Design		3WL1120
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
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Protection class IP		IP20
Protective function of the overcurrent release		LSI
Dissipation		
Power loss [W]		
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	W	80
<ul style="list-style-type: none"> maximum 	W	240
Electricity		
Operating current / at 45 °C / rated value	A	2 000
Continuous current / rated value	A	2 000
Adjustable pick-up value current		
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / initial value 	A	40 000
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / Full-scale value 	A	40 000
Short-time current resistance (I_{cw})		
<ul style="list-style-type: none"> limited to 0.5 s / rated value 	kA	55
<ul style="list-style-type: none"> limited to 2 s / rated value 	kA	29.5
<ul style="list-style-type: none"> limited to 3 s / rated value 	kA	24
Main circuit		
Operating frequency		
<ul style="list-style-type: none"> 1 / rated value 	Hz	50
<ul style="list-style-type: none"> 2 / rated value 	Hz	60
Operating voltage		
<ul style="list-style-type: none"> at AC / at 50/60 Hz / rated value 	V	690
Operating current		
<ul style="list-style-type: none"> at 40 °C / rated value 	A	2 000
<ul style="list-style-type: none"> at 50 °C / rated value 	A	2 000
<ul style="list-style-type: none"> at 55 °C / rated value 	A	2 000
<ul style="list-style-type: none"> at 60 °C / rated value 	A	1 930
<ul style="list-style-type: none"> at 65 °C / rated value 	A	1 930
<ul style="list-style-type: none"> at 70 °C / rated value 	A	1 780
Suitability		
Suitability for use		Plant / motor protection
Adjustable parameters		
Adjustable pick-up value current		
<ul style="list-style-type: none"> of the short-time delayed short-circuit release / initial value 	A	2 500
<ul style="list-style-type: none"> of the short-time delayed short-circuit release / Full-scale value 	A	24 000

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
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
Short-time current resistance (Icw) / limited to 1 s / rated value	kA	42
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		
Equipment marking		

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
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CCC



VDE



EG-Konf.

[Miscellaneous](#)



ABS



BUREAU
VERITAS

Shipping Approval	other
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DNV



GL



LRS



PRS



RMRS

[Environmental Confirmations](#)

other

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1120-2CB32-1AA4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1120-2CB32-1AA4>

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

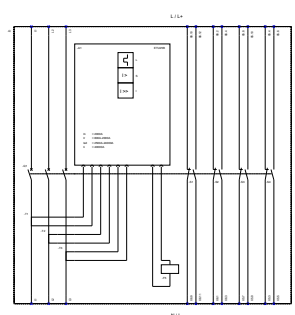
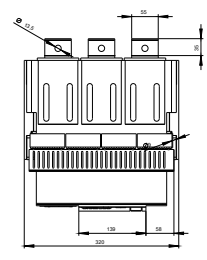
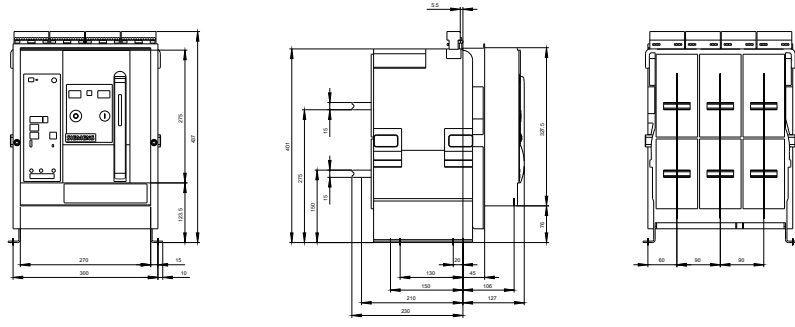
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1120-2CB32-1AA4

CAX-Online-Generator

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

Tender specifications

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



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07/11/2017