

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=1000A TO 690V, AC50/60HZ ICU=80KA AT 500V REAR CONNECTION VERTICAL



Model		
product brand name		SENTRON
Product designation		ACB
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		ETU15B
General technical data		
Number of poles		3
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1210
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Rated insulation voltage Ui	V	1 000
Insulation voltage / Rated value	V	1 000

Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LI
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	15
• maximum	W	45
Electricity		
Continuous current / Rated value	A	1 000
Adjustable response value current		
• of the current-dependent overload release / Full-scale value	A	1 000
• of the instantaneous short-circuit release / initial value	A	2 000
• of the instantaneous short-circuit release / Full-scale value	A	8 000
Short-time current resistance (I_{cw})		
• limited to 0.5 s / Rated value	kA	80
• limited to 1 s / Rated value	kA	66
• limited to 2 s / Rated value	kA	46
• limited to 3 s / Rated value	kA	44
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	1 000
• at 50 °C / Rated value	A	1 000
• at 55 °C / Rated value	A	1 000
• at 60 °C / Rated value	A	1 000
• at 65 °C / Rated value	A	1 000
• at 70 °C / Rated value	A	1 000
Auxiliary circuit		
Number of NC contacts / for auxiliary contacts		2
Number of NO contacts / for auxiliary contacts		2
Suitability		
Suitability for use		system protection

Adjustable parameters

Adjustable response value current / of the current-dependent overload release / initial value	A	500
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Product details

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

Product function

Product function		
• Ground fault protection		No
• Phase failure detection		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	80
• at 500 V / Rated value	kA	80
• at 690 V / Rated value	kA	75
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / Rated value	kA	80
• at 500 V / Rated value	kA	80
• at 690 V / Rated value	kA	75
Short-circuit current making capacity (Icm)		
• at 415 V / Rated value	kA	176
• at 500 V / Rated value	kA	176
• at 690 V / Rated value	kA	165

Connections

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

Mechanical Design

Height	mm	440.5
Width	mm	460
Depth	mm	390.5
Mounting type		fixed mounting

Environmental conditions

Ambient temperature		
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- during operation / minimum
- during operation / maximum
- during storage / minimum
- during storage / maximum

°C	-20
°C	70
°C	-40
°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



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Prüfbescheinigungen](#)
[n](#)

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Shipping Approval



other

[Umweltbestätigung](#)

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Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL12103BB315AM2>

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

<http://support.automation.siemens.com/WW/view/en/3WL12103BB315AM2/all>

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

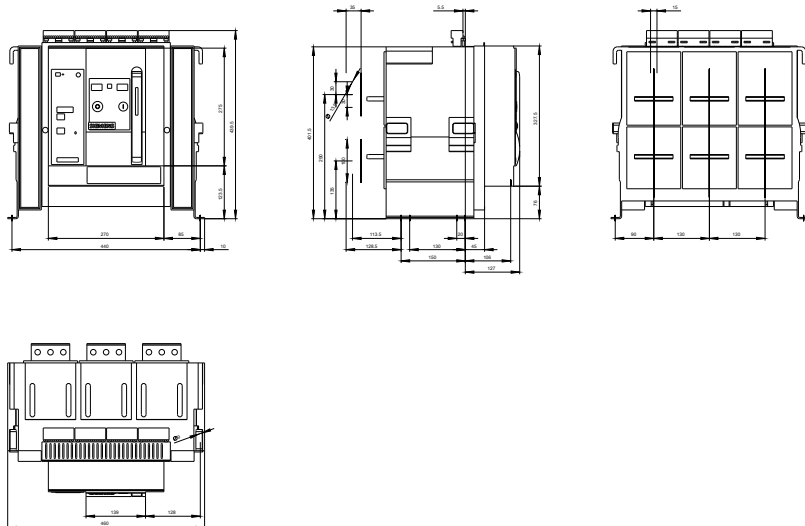
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL12103BB315AM2

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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