

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

Model		
product brandname		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		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 Ui	V	1 000
Insulation voltage / rated value	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
• maximum	W	105

Electricity		
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 (Icw)		

- limited to 0.5 s / rated value
- limited to 1 s / rated value
- limited to 2 s / rated value
- limited to 3 s / rated value

kA	55
kA	42
kA	29.5
kA	24

Main circuit

Operating frequency

- 1 / rated value
- 2 / rated value

Hz	50
Hz	60

Operating voltage

- at AC / at 50/60 Hz / rated value

V	690
---	-----

Operating current

- at 40 °C / rated value
- 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	1 250
A	1 210

Suitability

Suitability for use

Plant / motor protection

Product details

Product component

- Trip indicator
- Voltage trigger
- undervoltage release

Yes
No
Yes

Product extension / optional / motor drive

No

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
- at 500 V / rated value
- at 690 V / rated value

kA	55
kA	55
kA	42

Maximum short-circuit current breaking capacity (Icu)

- at 415 V / rated value
- at 500 V / rated value
- at 690 V / rated value

kA	55
kA	55
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		Q
• acc. to DIN EN 81346-2		Q

General Product Approval	Declaration of Conformity	Test Certificates
--------------------------	---------------------------	-------------------



[sonstig](#)

[spezielle
Prüfbescheinigungen](#)

[n](#)

Shipping Approval



Shipping Approval	other
-------------------	-------



[Umweltbestätigung](#)

[sonstig](#)

Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1112-2CB32-5AM2-Z C01+C22+F31+S07>

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

<http://support.automation.siemens.com/WW/view/en/3WL1112-2CB32-5AM2-Z C01+C22+F31+S07/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-2CB32-5AM2-Z C01+C22+F31+S07

CAX-Online-Generator

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

Tender specifications

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

last modified:

10/20/2016