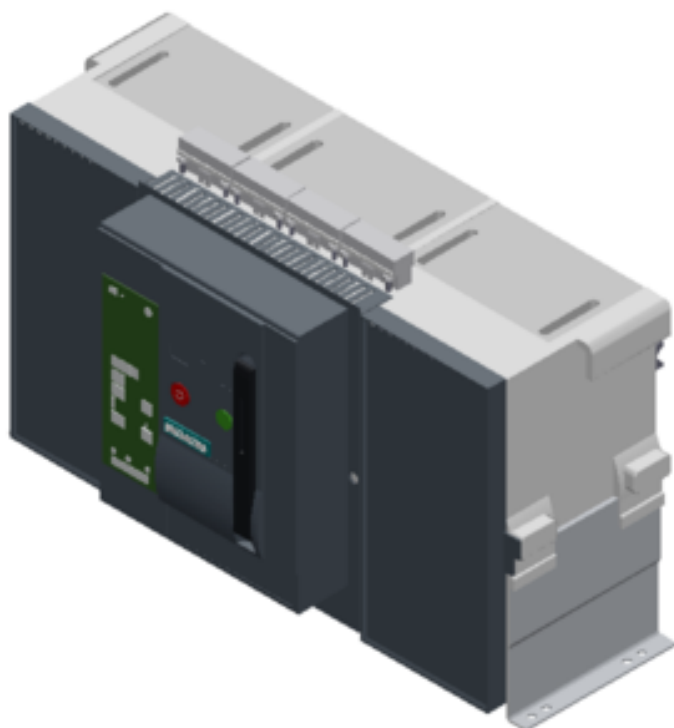


FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE III, IEC IN=4000A TO 690V, AC50/60HZ ICU=100KA AT 500V REAR CONNECTION HORIZONTAL



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		ETU27B
General technical data		
Number of poles		3
Size of the circuit-breaker		3
Electrical endurance (switching cycles) / typical		10 000
Usage category		B
circuit-breaker / Design		3WL1340
Mechanical service life (switching cycles) / typical		10 000
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		LSING
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	173.3
• maximum	W	520
Electricity		
Continuous current / rated value	A	4 000
Adjustable response value current		
• of the current-dependent overload release / Full-scale value	A	4 000
• of the instantaneous short-circuit release / initial value	A	50 000
• of the instantaneous short-circuit release / Full-scale value	A	50 000
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	100
• limited to 1 s / rated value	kA	100
• limited to 2 s / rated value	kA	80
• limited to 3 s / rated value	kA	65
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	4 000
• at 50 °C / rated value	A	4 000
• at 55 °C / rated value	A	4 000
• at 60 °C / rated value	A	4 000
• at 65 °C / rated value	A	4 000
• at 70 °C / rated value	A	4 000
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

Adjustable parameters

Adjustable response value current / of the current-dependent overload release / initial value	A	1 600
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Product details

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

Product function

Product function		
• Ground fault protection		Yes
• Phase failure detection		Yes

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	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	100
• at 500 V / rated value	kA	100
• at 690 V / rated value	kA	85
• at 1000/1150 V / Rated value	kA	50
Short-circuit current making capacity (Icm)		
• at 415 V / rated value	kA	220
• at 500 V / rated value	kA	220
• at 690 V / rated value	kA	187
• at 1000/1150 V / rated value	kA	105

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
Width	mm	704
Depth	mm	337
Mounting type		fixed mounting

Environmental conditions

Ambient temperature

- 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

Q
Q

General Product Approval

Declaration of Conformity

Test Certificates



[sonstig](#)

[spezielle
Prüfbescheinigunge
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/3WL13404DG321FA2>

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

<http://support.automation.siemens.com/WW/view/en/3WL13404DG321FA2/all>

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

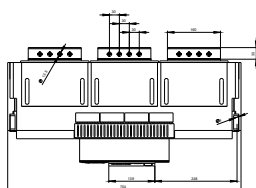
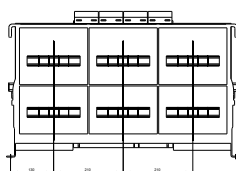
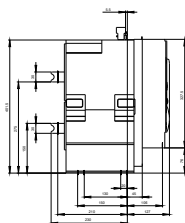
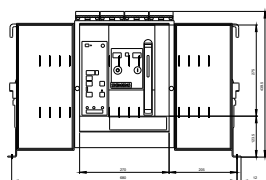
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL13404DG321FA2

CAX-Online-Generator

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

Tender specifications

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



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15.01.2016