



WITHDRAWABLE CIRCUIT BREAKER WITHOUT
GUIDE FRAME 3-POLE, SIZE I, IEC IN=1000A TO
690V, AC50/60HZ ICU=66KA 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/motorized operating mechanism with mechanical and electrical closing
Type of the driving mechanism / motor drive		Yes
Design of the overcurrent release		ETU45B
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		3WL1110
Mechanical service life (switching cycles) / typical		20 000
Voltage		
Rated insulation voltage Ui	V	1 000
Protection class		

Protection class IP		IP20
Protective function of the overcurrent release		LSIN
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	65
• maximum	W	195
Electricity		
Operating current / at 45 °C / rated value	A	1 000
Continuous current / rated value	A	1 000
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	1 000
• of instantaneous short-circuit trip unit / initial value	A	1 500
• of instantaneous short-circuit trip unit / Full-scale value	A	12 000
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	66
• limited to 2 s / rated value	kA	35
• limited to 3 s / rated value	kA	29
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
Suitability		
Suitability for use		Plant / motor protection
Adjustable parameters		
Adjustable pick-up value current		
• of the L-trip / with I _{4t} characteristic / initial value	A	400
• of the L-trip / with I _{4t} characteristic / Full-scale value	A	1 000
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	400
Product details		

Product component		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
Product extension / optional / motor drive		No
Product function		
Product function		
• Ground fault protection		No
• Phase failure detection		Yes
Display and operation		
Display version		WITH 4-LINE DISPLAY
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	66
• at 500 V / rated value	kA	66
• at 690 V / rated value	kA	50
Short-time current resistance (Icw) / limited to 1 s / rated value	kA	50
Connections		
Arrangement of electrical connectors / for main current circuit		without guide frame
Type of electrical connection / for main current circuit		Blade contacts
Mechanical Design		
Height	mm	411.5
Width	mm	311
Depth	mm	337
Mounting type		drawer unit
Environmental conditions		
Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	55
• 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
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CB

CB



CCC



VDE



EG-Konf.

[Special Test Certificate](#)

[Miscellaneous](#)

Shipping Approval



ABS



DNV



GL



LRS



PRS

Shipping Approval	other
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RMRS

[Environmental Confirmations](#)

[Miscellaneous](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1110-3FB35-5FA4-Z C22+K07>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1110-3FB35-5FA4-Z C22+K07>

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

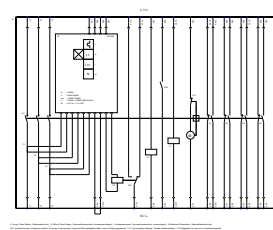
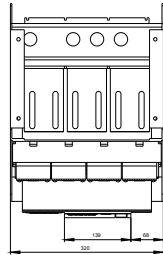
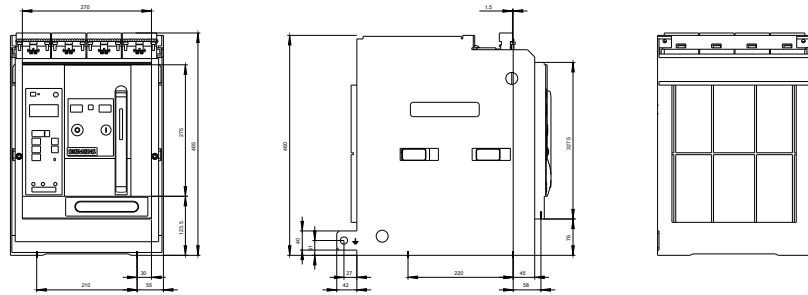
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1110-3FB35-5FA4-Z C22+K07

CAX-Online-Generator

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

Tender specifications

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



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07/11/2017