



WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
FRAME 3-POLE, SIZE I, IEC IN=630A TO 690V,
AC50/60HZ ICU=66KA AT 500V REAR CONNECTION
HORIZONTAL

Model		
product brandname		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		20 000
Usage category		B
circuit-breaker / Design		3WL1106
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	65
• maximum	W	195
Electricity		
Continuous current / rated value	A	630
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	12 600
• of instantaneous short-circuit trip unit / Full-scale value	A	12 600
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	66
• limited to 1 s / rated value	kA	50
• 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	630
• at 50 °C / rated value	A	630
• at 55 °C / rated value	A	630
• at 60 °C / rated value	A	630
• at 65 °C / rated value	A	630
• at 70 °C / rated value	A	630
Suitability		
Suitability for use		Plant / motor protection
Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		No

Product extension / optional / motor drive		Yes
Product function		
Product function		No
• Ground fault protection		
Display and operation		
Display version		without 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
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	460
Width	mm	320
Depth	mm	456
Mounting type		drawer unit
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
CB	CCC	VDE		EG-Konf.	

Test Certificates	Shipping Approval				
spezielle Prüfbescheinigung n					
	ABS	BUREAU VERITAS	DNV	GL	LRS

Shipping Approval	other	
		Umweltbestätigung sonstig
PRS	RMRS	

Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1106-3CB36-1AA2>

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

<http://support.automation.siemens.com/WW/view/en/3WL1106-3CB36-1AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3CB36-1AA2

CAX-Online-Generator

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

Tender specifications

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

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