

WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
FRAME 3-POLE, SIZE III, IEC IN=5000A 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/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		3
Electrical endurance (switching cycles) / typical		10 000
Usage category		B
circuit-breaker / Design		3WL1350
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		LSI
Dissipation		
Active power loss		
• for rated value of the current / at AC / in hot operating state / per pole	W	350
• maximum	W	1 050
Electricity		
Continuous current / Rated value	A	5 000
Adjustable response value current		
• of the current-dependent overload release / Full-scale value	A	5 000
• 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	5 000
• at 50 °C / Rated value	A	5 000
• at 55 °C / Rated value	A	5 000
• at 60 °C / Rated value	A	5 000
• at 65 °C / Rated value	A	5 000
• at 70 °C / Rated value	A	5 000
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	2 000
Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
Product expansion / optional / motor drive		No
Product function		
Product function		
• Ground fault protection		No
• Phase failure detection		Yes
Display and operation		
Display version		without display

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	466.5
Width	mm	704
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	
 CCC	 VDE		 EG-Konf.	sonstig	spezielle Prüfbescheinigungen

Shipping Approval					
 ABS	 BUREAU VERITAS	 DNV	 GL	 LRS	 PRS

Shipping Approval	other	
 RMRS	Umweltbestätigung	sonstig

Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL13504CB364AG2>

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

<http://support.automation.siemens.com/WW/view/en/3WL13504CB364AG2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL13504CB364AG2

CAX-Online-Generator

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

Tender specifications

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

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