

WITHDRAWABLE CIRCUIT BREAKER WITHOUT GUIDE FRAME 4-POLE, SIZE II, IEC IN=3200A TO 690V, AC50/60HZ ICU=80KA 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		ETU45B
General technical data		
Number of poles		4
Size of the circuit-breaker		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1232
Mechanical service life (switching cycles) / typical		15 000
Voltage		
Rated insulation voltage $U_i$	V	1 000
Insulation voltage / rated value	V	1 000
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSIN
Dissipation		
Power loss [W]		
<ul style="list-style-type: none"> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	W	236.7
<ul style="list-style-type: none"> <li>maximum</li> </ul>	W	710
Electricity		
Continuous current / rated value	A	3 200
Adjustable pick-up value current		
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / initial value</li> </ul>	A	4 800
<ul style="list-style-type: none"> <li>of instantaneous short-circuit trip unit / Full-scale value</li> </ul>	A	38 400

<b>Short-time current resistance (I<sub>cs</sub>)</b>		
• limited to 0.5 s / rated value	kA	80
• limited to 1 s / rated value	kA	66
• limited to 2 s / rated value	kA	46
• limited to 3 s / rated value	kA	44

### Main circuit

<b>Operating frequency</b>		
• 1 / rated value	Hz	50
• 2 / rated value	Hz	60
<b>Operating voltage</b>		
• at AC / at 50/60 Hz / rated value	V	690
<b>Operating current</b>		
• at 40 °C / rated value	A	3 200
• at 50 °C / rated value	A	3 200
• at 55 °C / rated value	A	3 200
• at 60 °C / rated value	A	3 020
• at 65 °C / rated value	A	3 020
• at 70 °C / rated value	A	2 870

### Auxiliary circuit

<b>Number of NC contacts / for auxiliary contacts</b>		4
<b>Number of NO contacts / for auxiliary contacts</b>		4

### Suitability

<b>Suitability for use</b>		Plant / motor protection
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### Product details

<b>Product component</b>		
• Trip indicator		Yes
• Voltage trigger		Yes
• undervoltage release		No
Product extension / optional / motor drive		No

### Product function

<b>Product function</b>		
• Ground fault protection		No

### Display and operation

<b>Display version</b>		without display
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### Short circuit

<b>Operational short-circuit current breaking capacity (I<sub>cs</sub>)</b>		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80

<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	kA	75
<b>Maximum short-circuit current breaking capacity (I<sub>cu</sub>)</b>		
<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> </ul>	kA	80
<ul style="list-style-type: none"> <li>• at 500 V / rated value</li> </ul>	kA	80
<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	kA	75
<b>Short-circuit current making capacity (I<sub>cm</sub>)</b>		
<ul style="list-style-type: none"> <li>• at 415 V / rated value</li> </ul>	kA	176
<ul style="list-style-type: none"> <li>• at 500 V / rated value</li> </ul>	kA	176
<ul style="list-style-type: none"> <li>• at 690 V / rated value</li> </ul>	kA	165

### Connections

Arrangement of electrical connectors / for main current circuit		without guide frame
Type of electrical connection / for main current circuit		Blade contacts

### Mechanical Design

<b>Height</b>	mm	411.5
<b>Width</b>	mm	555
<b>Depth</b>	mm	337
<b>Mounting type</b>		drawer unit

### Environmental conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>• during operation / minimum</li> </ul>	°C	-20
<ul style="list-style-type: none"> <li>• during operation / maximum</li> </ul>	°C	55
<ul style="list-style-type: none"> <li>• during storage / minimum</li> </ul>	°C	-40
<ul style="list-style-type: none"> <li>• during storage / maximum</li> </ul>	°C	70

### Certificates

<b>Equipment marking</b>		
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>		Q
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>		Q

General Product Approval	Declaration of Conformity	Test Certificates
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CCC



VDE



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Shipping Approval
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ABS



BUREAU VERITAS



GL



LRS



PRS



RMRS

other
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Further information
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**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1232-3EB45-5FA4-Z F21+K07+S01>

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

<http://support.automation.siemens.com/WW/view/en/3WL1232-3EB45-5FA4-Z F21+K07+S01/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3WL1232-3EB45-5FA4-Z F21+K07+S01](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1232-3EB45-5FA4-Z F21+K07+S01)

**CAX-Online-Generator**

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

**Tender specifications**

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

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