

fixed-mounted circuit breaker 3-pole, size I, IEC In=1250A to 690V, AC50/60Hz Icu=66kA at 500V rear connection horizontal Overcurrent release ETU 25 LSI protection adjustable 0.4-1 in With manual operating mechanism with storage with electrical + mechanical request 50/60 Hz 230 V AC, 220 V DC With 1st auxiliary release Shunt release "F", F1 50/60 Hz 230 V AC/220 V DC, 100% on-load factor With 2nd auxiliary release "F", F2 Shunt release 230 V AC/220 V DC, 100% on-load factor 2NO+2NC

Model	
Product brand name	SETRON
Product designation	ACB
Design of the auxiliary switch	2 NO + 2 NC
Design of the product	IEC 60947-2
Design of the operating mechanism	Pushbutton
Type of the driving mechanism	Manual operating mechanism with mechanical and electrical 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
Usage category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
Protection class	
Protection class IP	IP20
Protection class IP / on the front	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	35 W
Electricity	
Operating current / at 45 °C / rated value	1 250 A
Continuous current / rated value	1 250 A
Adjustable pick-up value current	1 250 A
• of the current-dependent overload release / Full-scale value	

• of instantaneous short-circuit trip unit / initial value	25 000 A
• of instantaneous short-circuit trip unit / Full-scale value	25 000 A

Main circuit

Operating frequency	
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Operating current	
• at 40 °C / rated value	1 250 A
• at 50 °C / rated value	1 250 A
• at 55 °C / rated value	1 250 A
• at 60 °C / rated value	1 250 A
• at 65 °C / rated value	1 250 A
• at 70 °C / rated value	1 210 A

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
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Adjustable parameters

Adjustable pick-up value current / of the current-dependent overload release / initial value	500 A
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Product details

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

Product function

Product function	
• Ground fault protection	No
• Phase failure detection	Yes

Display and operation

Display version	without display
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Short circuit

Operational short-circuit current breaking capacity (Ics)	
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• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
Maximum short-circuit current breaking capacity (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA

Connections

Type of electrical connection / for main current circuit	busbar connection
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Mechanical Design

Height	439.5 mm
Width	320 mm
Depth	337 mm
Mounting type	fixed mounting

Environmental conditions

Ambient temperature	
	-20 ... +70 °C
	-40 ... +70 °C

Certificates

Reference code	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates
 CCC	 VDE	 CB
	 EG-Konf.	Miscellaneous
		Special Test Certificate

Shipping Approval	other
 ABS	 BUREAU VERITAS
 LRS	 PRS
	 RMRS
	Environmental Confirmations

other	
Manufacturer Declaration	Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1112-3CB32-3GG2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1112-3CB32-3GG2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1112-3CB32-3GG2

CAX-Online-Generator

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

Tender specifications

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

