

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=1250A TO 690V, AC50/60HZ ICU=100KA AT 500V FRNT.CONN. TOP/BOT. DUAL-HOLE



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		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1212
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		
Protection class IP		IP41
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	26.7
• maximum	W	80
Electricity		
Operating current / at 45 °C / rated value	A	1 250
Continuous current / rated value	A	1 250
Adjustable pick-up value current		
• of the current-dependent overload release / Full-scale value	A	1 250
• of instantaneous short-circuit trip unit / initial value	A	25 000
• of instantaneous short-circuit trip unit / Full-scale value	A	25 000
Short-time current resistance (I_{cw})		
• limited to 0.5 s / rated value	kA	100
• limited to 2 s / rated value	kA	65
• limited to 3 s / rated value	kA	50
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	1 000
Operating current		
• at 40 °C / rated value	A	1 250
• at 50 °C / rated value	A	1 250
• at 55 °C / rated value	A	1 250
• at 60 °C / rated value	A	1 250
• at 65 °C / rated value	A	1 250
• at 70 °C / rated value	A	1 210
Suitability		
Suitability for use		Plant / motor protection
Adjustable parameters		
Adjustable pick-up value current / of the current-dependent overload release / initial value	A	500

Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		Yes
Product extension / 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-time current resistance (Icw) / limited to 1 s / rated value	kA	85
Connections		
Arrangement of electrical connectors / for main current circuit		Main connection top front/bottom double hole
Type of electrical connection / for main current circuit		busbar connection
Mechanical Design		
Height	mm	507
Width	mm	460
Depth	mm	369
Mounting type		fixed mounting
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
- acc. to DIN EN 81346-2

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

Shipping Approval	other
 BUREAU VERITAS	 GL
 LRS	 PRS
 RMRS	Environmental Confirmations

other
Miscellaneous

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1212-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07+T40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1212-4CB34-4AN2-Z A05+C11+C22+F31+K07+S07+T40>

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

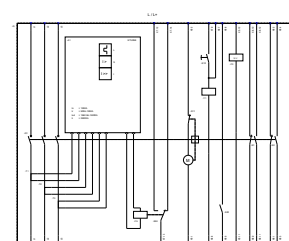
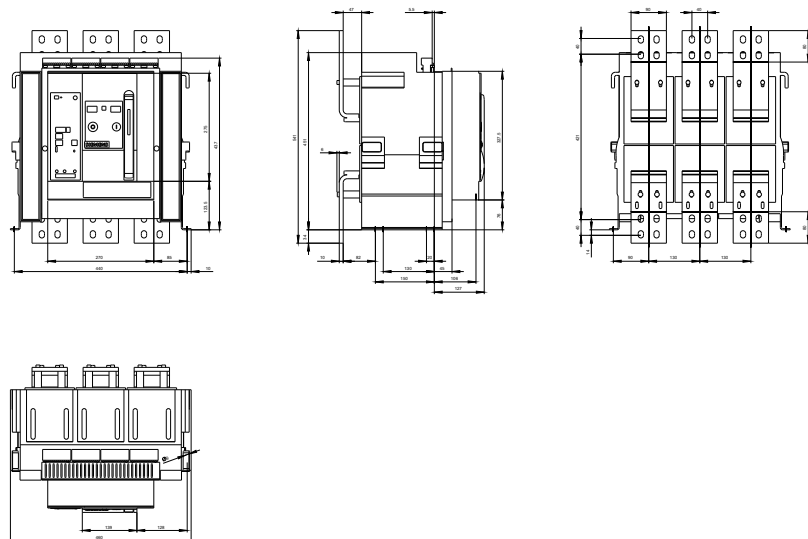
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CAX-Online-Generator

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

Tender specifications

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



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