

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=2000A 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		2
Electrical endurance (switching cycles) / typical		15 000
Usage category		B
circuit-breaker / Design		3WL1220
Mechanical service life (switching cycles) / typical		15 000
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	60
• maximum	W	180
Electricity		
Continuous current / rated value	A	2 000
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	40 000
• of instantaneous short-circuit trip unit / Full-scale value	A	40 000
Short-time current resistance (I _{cw})		
• limited to 0.5 s / rated value	kA	66
• limited to 1 s / rated value	kA	55
• limited to 2 s / rated value	kA	39
• limited to 3 s / rated value	kA	32
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	2 000
• at 50 °C / rated value	A	2 000
• at 55 °C / rated value	A	2 000
• at 60 °C / rated value	A	2 000
• at 65 °C / rated value	A	2 000
• at 70 °C / rated value	A	2 000
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	440.5
Width	mm	460
Depth	mm	337
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		Q
acc. to DIN EN 81346-2		Q

General Product Approval		Declaration of Conformity	Test Certificates		Shipping Approval
			spezielle Prüfbescheinigungen	sonstig	
CCC	VDE	EG-Konf.	n		ABS

Shipping Approval					other
					Umweltbestätigung
BUREAU VERITAS	GL	LRS	PRS	RMRS	

other
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Further information

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1220-2CB32-1AA2>

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

<http://support.automation.siemens.com/WW/view/en/3WL1220-2CB32-1AA2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1220-2CB32-1AA2

CAX-Online-Generator

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

Tender specifications

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

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