

FIXED-MOUNTED CIRCUIT BREAKER 3-POLE, SIZE II, IEC IN=2500A TO 690V, AC50/60HZ ICU=80KA 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 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		3WL1225
Mechanical service life (switching cycles) / typical		15 000

Voltage		
Rated insulation voltage Ui	V	1 000

Protection class		

Protection class IP		IP20
Protective function of the overcurrent release		LSI
Dissipation		
Power loss [W]		
<ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole 	W	90
<ul style="list-style-type: none"> maximum 	W	270
Electricity		
Operating current / at 45 °C / rated value	A	2 500
Continuous current / rated value	A	2 500
Adjustable pick-up value current		
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / initial value 	A	50 000
<ul style="list-style-type: none"> of instantaneous short-circuit trip unit / Full-scale value 	A	50 000
Short-time current resistance (I_{cw})		
<ul style="list-style-type: none"> limited to 0.5 s / rated value 	kA	80
<ul style="list-style-type: none"> limited to 2 s / rated value 	kA	46
<ul style="list-style-type: none"> limited to 3 s / rated value 	kA	44
Main circuit		
Operating frequency		
<ul style="list-style-type: none"> 1 / rated value 	Hz	50
<ul style="list-style-type: none"> 2 / rated value 	Hz	60
Operating voltage		
<ul style="list-style-type: none"> at AC / at 50/60 Hz / rated value 	V	690
Operating current		
<ul style="list-style-type: none"> at 40 °C / rated value 	A	2 500
<ul style="list-style-type: none"> at 50 °C / rated value 	A	2 500
<ul style="list-style-type: none"> at 55 °C / rated value 	A	2 500
<ul style="list-style-type: none"> at 60 °C / rated value 	A	2 500
<ul style="list-style-type: none"> at 65 °C / rated value 	A	2 500
<ul style="list-style-type: none"> at 70 °C / rated value 	A	2 280
Suitability		
Suitability for use		Plant / motor protection
Adjustable parameters		
Adjustable pick-up value current		
<ul style="list-style-type: none"> of the short-time delayed short-circuit release / initial value 	A	3 125
<ul style="list-style-type: none"> of the short-time delayed short-circuit release / Full-scale value 	A	30 000

Product details		
Product component		
• Trip indicator		Yes
• Voltage trigger		No
• undervoltage release		Yes
Product extension / optional / motor drive		Yes
Product function		
Product function		
• Ground fault protection		No
Display and operation		
Display version		without display
Short circuit		
Operational short-circuit current breaking capacity (Ics)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Maximum short-circuit current breaking capacity (Icu)		
• at 415 V / rated value	kA	80
• at 500 V / rated value	kA	80
• at 690 V / rated value	kA	75
Short-time current resistance (Icw) / limited to 1 s / rated value	kA	66
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	512
Width	mm	460
Depth	mm	379
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

Q

Q

General Product Approval	Declaration of Conformity	Test Certificates	Shipping Approval
--------------------------	---------------------------	-------------------	-------------------



CCC



VDE



EG-Konf.

[Miscellaneous](#)
[Special Test Certificate](#)


ABS

Shipping Approval	other
-------------------	-------



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=3WL1225-3CB34-1AP2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-3CB34-1AP2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-3CB34-1AP2

CAX-Online-Generator

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

Tender specifications

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

last modified:

07/11/2017