

WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
FRAME 3-POLE, SIZE III, IEC IN=4000A TO 690V,
AC50/60HZ ICU=100KA AT 500V W. CONNECTION
FLANGE

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		ETU76B
General technical data		
Number of poles		3
Size of the circuit-breaker		3
Electrical endurance (switching cycles) / typical		10 000
Usage category		B
circuit-breaker / Design		3WL1340
Mechanical service life (switching cycles) / typical		10 000
Voltage		
Rated insulation voltage U_i	V	1 000
Protection class		
Protection class IP		IP20
Protective function of the overcurrent release		LSIN
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	270
• maximum	W	810
Electricity		
Operating current / at 45 °C / rated value	A	4 000
Continuous current / rated value	A	4 000
Adjustable pick-up value current		
• of instantaneous short-circuit trip unit / initial value	A	6 000
• of instantaneous short-circuit trip unit / Full-scale value	A	80 000

Short-time current resistance (I_{cw})		
• limited to 0.5 s / rated value	kA	100
• limited to 2 s / rated value	kA	80
• limited to 3 s / rated value	kA	65
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	4 000
• at 50 °C / rated value	A	4 000
• at 55 °C / rated value	A	4 000
Suitability		
Suitability for use		Plant / motor protection
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		With fully-graphical display
Short circuit		
Operational short-circuit current breaking capacity (I_{cs})		
• 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 (I_{cu})		
• 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 (I_{cw}) / limited to 1 s / rated value	kA	100

Connections

Arrangement of electrical connectors / for main current circuit		Rear connection flange
Type of electrical connection / for main current circuit		busbar connection

Mechanical Design

Height	mm	466.5
Width	mm	704
Depth	mm	429.5
Mounting type		drawer unit

Environmental conditions

Ambient temperature		
• during operation / minimum	°C	-20
• during operation / maximum	°C	55
• 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
 CCC	 VDE	 EG-Konf.	Miscellaneous	Special Test Certificate
				 ABS

Shipping Approval					
 BUREAU VERITAS	 DNV	 GL	 LRS	 PRS	 RMRS

other	
Environmental Confirmations	Miscellaneous

Further information

Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1340-4NB38-1AS4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1340-4NB38-1AS4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1340-4NB38-1AS4

CAX-Online-Generator

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

Tender specifications

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

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