

withdrawable circuit breaker with guide frame 3-pole, size II, IEC In=2500A to 690V, AC50/60Hz Icu=100kA at 500V rear connection horizontal Overcurrent release ETU 45 LSIN protection adjustable 0.4-1 in with cubicle bus Opt.: Comm. /measuring func./ground fault/ ZSS Motorized/manual operating mechanism with spring charging motor AC 50/60 Hz 208-240 V or 220-250 V DC Activation AC 50/60 Hz 230 V, 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 4NO+4NC

Model	
product brand name	SENTRON
product designation	ACB
design of the product	IEC 60947-2
design of the actuating element	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	ETU45B
General technical data	
number of poles	3
size of the circuit-breaker	2
utilization category	B
circuit-breaker / Design	3WL1
Voltage	
Rated insulation voltage Ui	1 000 V
insulation voltage / rated value	1 000 V
operating voltage	
• at AC / at 50/60 Hz / rated value	690 V
Protection class	
protection class IP	IP20
protection class IP / on the front	IP20
protection function of the overcurrent release	LSIN
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	173.3 W
• maximum	520 W
Current	
operational current	
• at 40 °C / rated value	2 500 A
• at 45 °C / rated value	2 500 A
• at 50 °C / rated value	2 500 A
• at 55 °C / rated value	2 500 A
• at 60 °C / rated value	2 500 A
• at 65 °C / rated value	2 500 A
• at 70 °C / rated value	2 280 A
continuous current / rated value / maximum	2 500 A
continuous current / rated value	2 500 A
adjustable current response value current	
• of instantaneous short-circuit trip unit / minimum	3 750 A
• of instantaneous short-circuit trip unit / maximum	30 000 A
Main circuit	
operating frequency	

• 1 / rated value • 2 / rated value		50 Hz				
		60 Hz				
Auxiliary circuit						
number of NC contacts / for auxiliary contacts		4				
number of NO contacts / for auxiliary contacts		4				
Suitability						
suitability for use		Plant / motor protection				
Product details						
product component						
• trip indicator • voltage trigger • undervoltage release		Yes Yes No				
design of the auxiliary switch		4 NO + 4 NC				
product extension / optional / motor drive		No				
Product function						
product function						
• grounding protection • phase failure detection		No Yes				
Display and operation						
display version		without display				
Short circuit						
breaking capacity operating short-circuit current (Ics)						
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value		100 kA 100 kA 85 kA				
breaking capacity maximum short-circuit current (Icu)						
• at 415 V / rated value • at 500 V / rated value • at 690 V / rated value		100 kA 100 kA 85 kA				
Connections						
arrangement of electrical connectors / for main current circuit		Main connection rear side horizontal				
type of electrical connection / for main current circuit		busbar connection				
Mechanical Design						
height		465.5 mm				
width		460 mm				
depth		456 mm				
fastening method		drawer unit				
Environmental conditions						
ambient temperature / during operation						
• minimum • maximum		-20 °C 70 °C				
ambient temperature / during storage						
• minimum • maximum		-40 °C 70 °C				
General Product Approval		EMC	Declaration of Conformity	Test Certificates		
 CCC			 RCM	UK Declaration of Conformity	 EG-Konf.	Special Test Certificate
Test Certificates		Marine / Shipping				

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other

[CCS / China Classification Society](#)



[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

[Miscellaneous](#)

Dangerous Good

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1225-4EB36-4GG4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1225-4EB36-4GG4>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-4EB36-4GG4

CAX-Online-Generator

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

Tender specifications

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



last modified:

3/31/2020 

