

Draw-out circuit breaker Without guide frame 4-pole, Size 1, IEC In=630 A to 690 V, 50/60 Hz AC Icu=66 kA at 500 V Rear horizontal connection Overcurrent release ETU 15 LI protection adjustable 0.5-1 in 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 "R", F3 Undervoltage, instant. 208-240 V AC, 220-250 V DC 2NO+2NC

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	ETU15B
General technical data	
number of poles	4
size of the circuit-breaker	1
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	LI
Dissipation	
power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	65 W
• maximum	195 W
Current	
operational current	
• at 40 °C / rated value	630 A
• at 45 °C / rated value	630 A
• at 50 °C / rated value	630 A
• at 55 °C / rated value	630 A
• at 60 °C / rated value	630 A
• at 65 °C / rated value	630 A
• at 70 °C / rated value	630 A
continuous current / rated value / maximum	630 A
continuous current / rated value	630 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	630 A
• of instantaneous short-circuit trip unit / minimum	1 260 A
• of instantaneous short-circuit trip unit / maximum	5 040 A
Main circuit	
operating frequency	
• 1 / rated value	50 Hz

• 2 / rated value	60 Hz
Auxiliary circuit	
number of NC contacts / for auxiliary contacts	2
number of NO contacts / for auxiliary contacts	2
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current / of the current-dependent overload release / initial value	315 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
design of the auxiliary switch	2 NO + 2 NC
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• phase failure detection	No
Display and operation	
display version	without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
breaking capacity maximum short-circuit current (Icu)	
• at 415 V / rated value	66 kA
• at 500 V / rated value	66 kA
• at 690 V / rated value	50 kA
Connections	
arrangement of electrical connectors / for main current circuit	without guide frame
type of electrical connection / for main current circuit	Blade contacts
Mechanical Design	
height	411.5 mm
width	401 mm
depth	337 mm
fastening method	drawer unit
Environmental conditions	
ambient temperature / during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
General Product Approval	
EMC	Declaration of Conformity

[Confirmation](#)



Test Certificates

Marine / Shipping

[Miscellaneous](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping

other



[CCS / China Classification Society](#)



[Miscellaneous](#)

[Confirmation](#)

[Environmental Confirmations](#)

other

Dangerous Good

[Miscellaneous](#)

[Transport Information](#)

Further information

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3WL1106-3BB75-4GN2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3WL1106-3BB75-4GN2>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3BB75-4GN2

CAX-Online-Generator

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

Tender specifications

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



